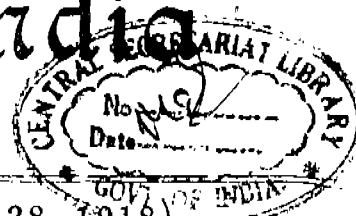




# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY



सं० 20]

नई दिल्ली, शनिवार, मई 18, 1996 (वैशाख 28, 1918.)

No. 20]

NEW DELHI, SATURDAY, MAY 18, 1996 (VAISAKHA 28, 1918)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 18th May 1996

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पेटेंट कार्यालय

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 18 मई 1996

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोन्डी इस्टेट  
तीसरा तल, सोथर परेल (पश्चिम),  
बम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश तथा गोवा राज्य क्षेत्र एवं गंध शामिल क्षेत्र, यमन तथा वीथ एवं दावर और नागर हवेली।

सार पता—“पेटेंटिफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405, तीसरा तल,  
मगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान, उत्तर प्रदेश तथा दिल्ली राज्य क्षेत्रों एवं संघ शामिल क्षेत्र चण्डीगढ़।

सार पता—“पेटेंटिफिक”

पेटेंट कार्यालय शाखा,

61, वालाजह रोड,

मद्रास-600002।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा पांडिचेरी राज्य क्षेत्र एवं संघ शामिल क्षेत्र, लक्षद्वीप मिनिकाय तथा एमिनीदिव्य द्वीप।

सार पता—“पेटेंटिफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुस्तरीय कार्यालय,  
भवन, 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस मार्ग,  
कलकत्ता-700020।

भारत का अवशेष क्षेत्र।

सार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किये जायेंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायेगी अथवा उपयुक्त कार्यालय में नियन्त्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियन्त्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है।

## CORRIGENDUM

Under the heading “PATENT SEALED” in the Gazette of India, Part-III, Sec-2 dated 24-11-95 was notified on 23-12-95, delete the Patent appln. no. 175176 (397/Del/89).

Opposition Proceeding u/s. 25 of the Act

## CORRIGENDUM

An amendment was made by the Decision of the Scientific Officer dated 22nd Sept., 1995 in respect of Patent Appln. no. 168153, which was published on 09th Feb., 1991, Gazette of India, Part III Section 2, as follows—

— The Title should read as : “A detergent Bar.”

substitutes are toxic, some are said to have carcinogenic properties, others are not stable in storage or impart undesirable flow properties to the end product or create processing problems while yet others have an unpleasant odor or react with the other constituents of the detergent. Accordingly, there has been considerable uncertainty as to which products, if any, may be regarded as suitable phosphate substitutes.

It is therefore the essential object of this invention to provide a detergent bar which is at least effective as the detergent bars of the prior art exemplified by British Patent No. 2127426 but in which the undesirable phosphate builder has been replaced by a substitute which does not contribute to the eutrophication of inland waters.

The present invention derives from the finding quite recently that, despite their insolubility in water, zeolites, particularly certain synthetic, crystalline monocuclear sieve zeolites, preferably in at least partially hydrated form, are suitable ion exchangers for calcium ions and, accordingly, are capable of enhancing the detergency of synthetic, organic detergents, particularly anionic detergents, and may also be used in conjunction with nonionic detergents.

According to the prior art, zeolite in powdered form may be prepared in accordance with DE-AS 24 47 021, DE-AS 25 17 218, DE-OS 26 52 419, DE-OS 26 51 420, DE-OS 26 51 436, DE-OS 26 51 437, DE-OS 26 51 445 or DE-OS 26 51 485. Such powdered zeolites show the particle distribution curves indicated in such patents.

Unfortunately, the use of zeolites as builders in detergents was found to suffer from a serious drawback. As desired in the article entitled “Recent Developments in the field of Inorganic Builders” [Journal of American Oil Chemists’ Society, January 1978, Volume 55] by P. Berth, it was found that the use of zeolite alone in a detergent without the presence of additional builders results in reduced washing performances. Such performances are improved only when additional water-soluble complexing agents are used in conjunction with the zeolite and such employment clearly involves additional expense and is less efficient. Incidentally, the findings in the Berth article are in respect of detergents in general and not specifically with respect to detergent bars.

The present invention results from the applicants' finding that specific zeolite, viz. Zeolite-A having a three-dimensional space lattice structure can, when employed in a specific particle size range and a specific particle size distribution, constitute the sole builder component of a detergent bar replacing undesirable phosphate builders and thereby provide a bar having detergent, washing and handling properties comparable with bars of the prior art without the addition of any supplementary builders. Not only that the employment of zeolite-A in this form makes it strictly speaking unnecessary to include a filler in the detergent bar since the powdered Zeolite A provides the bar with adequate strength and hardness. Nevertheless, fillers are generally employed with the bar of this invention.

The size of the individual particles of powdered Zeolite-A may vary and may lie, for example, in the range of from 0.1 micrometer to 0.1 mm. These figures apply to the primary particle size, i.e. the size of the particles which accumulate during precipitation and, optional subsequent crystallization. It is of particular advantage to use powdered Zeolite-A of which 80% by weight consist of particles from 10 to 0.01 micrometer in size and more especially from 8 to 0.1 micrometer in size.

The powdered Zeolite-A preferably contains no primary or secondary particles larger than 45 micrometers in diameter. Secondary particles are particles formed by agglomeration of the primary particles to relatively large structures.

The powdered Zeolite-A which is employed in the detergent bar of the present invention possesses the particle size distribution described in DE-OS 26 51 485 which corresponds to British Patent No. 1571534. This particle size distribution is as follows:

Fraction [ ]	Proportion [% by weight]
<3	35 to 60
<5	82 to 95
<10	93 to 99
<15	96 to 100

Accordingly, the present invention provides a detergent bar for the washing of textiles by hand or in inland waters which comprises by weight:

from 5% to 50% surfactants such as herein described:

from 0.6% to 60% fillers and washing alkalis such as herein described;

from 0.1% to 1% conventional additives; and

from 3 to 8% lubricants such as herein described, and a builder for said detergent bar, said builder comprising 9.6% of powdered Zeolite-A, at least 80% of which constitutes particles from 10 to 0.01 micrometer in size.

The Zeolite-A has a preferred calcium binding power of from 100 to 200 mg of CaO per g active substance and generally from 100 to 180 mg CaO per g active substance. This binding power is found above all in Zeolite-A having the following composition:

0.7	1.1	Na <sub>2</sub> O	Al <sub>2</sub> O <sub>3</sub>	1.3	3.3	SiO <sub>2</sub>
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This summation formula comprises two types of different crystal structures for their non-crystalline precursors) which also differ in their summation formulae, namely:

1]	0.7	1.1	Na <sub>2</sub> O	Al <sub>2</sub> O <sub>3</sub>	1.3	2.4	SiO <sub>2</sub>
2]	0.7	1.1	Na <sub>2</sub> O	Al <sub>2</sub> O <sub>3</sub>	2.4	3.3	SiO <sub>2</sub>

The different crystal structures show up X-ray diffractograms.

Crystalline Zeolite-A which has been separated from an aqueous suspension thereof and dried will contain more or less bound water depending on the drying conditions.

The surfactants can be known anionic and/or non-ionic surfactants. The anionic surfactants used include:

alkylbenzene sulfonate [ABS], preferably having a linear alkylchain [LAS] containing from 8 to 22 carbon atoms.

paraffin sulfonates having a linear or branched C<sub>10</sub> C<sub>20</sub> and preferably C<sub>18</sub> C<sub>19</sub> chain [sulfonate group terminal distributed over the chain].

sulphates of higher C<sub>8</sub>-C<sub>22</sub> alcohols, for example lauryl alcohol, tallow fatty alcohol and coconut oil fatty alcohol,

ether sulfates of higher C<sub>8</sub>-C<sub>22</sub> alcohols, for example the same alcohol radical as in the above-mentioned sulfate of higher alcohols [the molar ratio of alkaline oxide, particularly ethylene oxide, to alcohol is from 1 : 2 : 5 : 1]

#### WE CLAIM:

1. A detergent bar for the washing of textiles by hand or in inland waters which comprises by weight:

from 5% to 50% surfactants such as herein described;

from 0.6% to 60% fillers and washing alkalis such as herein described;

from 0.1% to 1% conventional additives; and

from 3 to 8% lubricants such as herein described, and a builder for said detergent bar, said builder comprising 9.6% of powdered Zeolite-A, at least 80% of which constitutes particles from 10 to 0.01 micrometer in size.

2. A detergent bar as claimed in claim 1 wherein said surfactant are known anionic and/or non-ionic surfactants.

3. A detergent bar as claimed in claim 1 or 2 wherein said fillers are selected from the sulphates, carbonates and hydrogen carbonates of sodium, potassium, calcium and magnesium, bentonite and starch such as potato starch, rice starch and wheat starch.

4. A detergent bar as claimed in any of claims 1 to 3 wherein said washing alkalis are selected from sodium carbonate, sodium silicate or a mixture thereof.

5. A detergent bar as claimed in any of claims 1 to 4 wherein said additives are selected from carboxymethyl cellulose, optical brighteners, dyes, perfumes or mixtures thereof.

6. A detergent bar as claimed in any of claims 1 to 5 wherein said lubricants are selected from high-melting fats, waxes and paraffins having melting points from above 40°C to about 60°C.

7. A detergent bar for the washing of textiles by hand or in inland waters substantially as herein described.

In the Gazette of India, Part—III, Section—2, dated the 30th March, 1996. Read the accepted Nos. as:

176274 instead of 173274,  
176276 instead of 173276,  
176277 instead of 173277,  
176278 instead of 173278,  
176279 instead of 173279,  
176280 instead of 173280.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crecent bracket are the dates claimed under Section 135, of the Patent Act, 1970.

The 1st January 1996

01/Cal/96. Autotronics Engineering International Limited. Electrical apparatus. (Convention No. 9500661.5; on 13-10-95, in Great Britain).

02/Cal/96. Thomson Television Components France. Method of fabrication of electrical cable connector, electrical cable, and high-voltage transformer equipped with such cables. (Convention No. FR 9500070; on 05-01-95; in France).

- 03/Cal/96. American Standard Inc. Gas flow and lubrication of a scroll compressor. (Convention No. 08/418,340; on 07-04-95; in U.S.A.).
- 04/Cal/96. Gigi Products Inc. Wear resistant image printing on latex surfaces. (Convention No. 08/370 024; on 9-1-95; in U.S.A.).
- 05/Cal/96. LG Electronics Inc. Electric home appliances real use state information collection and analysis apparatus. (Convention No. 216/1995, on 7-1-95; in Korea).
- 06/Cal/96. LG Electronics Inc. Oil supplying apparatus for hermetic type compressor. (Convention No. 7726/1995; on 03-04-95; in Korea).

02-01-1996

- 07/Cal/96. Phillips Petroleum Company. Heat exchange apparatus. (Convention No. 08/370 921; on 10-1-95; in U.S.A.).
- 08/Cal/96. S. C. Johnson & Son, Inc. Liquid insect bait.
- 09/Cal/96. Basil T. Hone, Receiver for Hapgood, C. V. Diagnostic device and method.
- 10/Cal/96. Trigon Packaging Corporation. Self-containing tamper evident tape and label.

03-01-1996

- 11/Cal/96. Daewoo Electronics Co. Ltd. Thin film actuated mirror array having dielectric layers.
- 12/Cal/96. Haas Beteiligungsgesellschaft m.b.H. Toy.
- 13/Cal/96 The Duriron Company. Plug valve assembly. (Convention No. 08/390,407; on 16-02-95; in U.S.A.).
- 14/Cal/96. The duriron Company. Adjustable ball valve. (Convention No. 08/391,427; on 16-2-95; in U.S.A.).
- 15/Cal/96. Edward Mendell Co. Inc. Pharmaceutical excipient having improved compressibility. (Convention No. 08/370 576; on 9-1-95; in U.S.A.).
- 16/Cal/96. Edward Mendell Co. Inc. Pharmaceutical excipient having improved compressibility. (Convention No. 08/370, 576 on 9-1-95 & 08/486, 183; on 7-6-95; in U.S.A.).
- 17/Cal/96. The Trustees of Princeton University. Electron acceptor : composition on polymer templates and the catalytic production of hydrogen peroxide.

04-01-996

- 18/Cal/96. Hunter Douglas International N. V. Method and apparatus for manufacturing a fabric light control window covering and a fabric light control window covering obtained therefrom.
- 19/Cal/96. LG Electronics Inc. Microwave oven main body structure. (Convention No. 10341/1995; on 16-5-95; in Korea, 12077/1955 on 16-5-95 in Korea).
- 20/Cal 96. Unibind (Cyprus) Limited. Binding element for sheets.
- 21/Cal/96. Mitsubishi Chemical Corporation. Method for producing 6-caprolactam. (Convention No. 3403/1995; on 12-1-1995, 184131/1995; on 20-7-1995 and 184132/1995; on 20-7-1995 in Japan).

05-01-1996

- 22/Cal/96. Novamont S.P.A. Thermoplastic compositions comprising starch and other components from natural origin. (Convention No. MI 95 A 000023, on 10-01-95; in Italy).

- 23/Cal/96. Windmoller & Holscher. Device for delivery of flat workpieces from an initial conveyor to a second conveyor, coupled at the outlet side. (Convention No. 19502430.4; on 25-1-95 and 19510243.6; on 21-3-95; in Germany).
- 24/Cal/96. Siemens Aktiengesellschaft. Withdrawable rack having an isolating contact arrangement. (Convention No. 19501928.8; on 10-1-95; in Germany).
- 25/Cal/96. S. C. Johnson & Son, Inc. Insect bait station. (Convention No. 08/371, 239; on 11-1-95 in U.S.A.).

08-01-1996

- 26/Cal/96. Daewoo Electronics Co. Ltd. 3-Position 3-Way solenoid valve. (Convention No. 95-2309; on 09-02-1995; in Korea).
- 27/Cal/96. Daewoo Electronics Co. Ltd. Hybrid inflating assembly using a projectile. (Convention No. 95-18583; on 30-06-1995; in Korea).
- 28/Cal/96. Daewoo Electronics Co. Ltd. Erasing device for use in a video cassette recorder. (Convention No. 95-13829; on 30-05-1995; in South Korea).
- 29/Cal/96. Daewoo Electronics Co. Ltd. Remote-controlled system and method for selectively recording desired information. (Convention No. 95-18091; on 29-06-1995; in South Korea).
- 30/Cal/96. Masahiko Hayashi. Theatre.
- 31/Cal/96. I.M.A. Industria Macchine Automatiche S.P.A. Apparatus for withdrawing, opening flat folded blanks and for feeding them to a packaging line advanced with stepwise motion. (Convention No. B093A000004, on 11-01-95; in Italy).
- 32/Cal/96. CIB INC. Method and apparatus for storing material within a container which is exposed to rain. (Convention No. 08/373, 787; on 17-1-95; in U.S.A.).
- 33/Cal/96. Mcneil-Ppc, Inc. Tampon applicator. (Convention No. 19503011.7; on 31-1-95; in Germany).
- 34/Cal/96. Siemens Aktiengesellschaft. Arrangement of coupling panels in enclosed medium-voltage switchgear. (Convention No. 29501081.9; on 13-1-95; in Germany).
- 35/Cal/96. E. I. Du Pont De Nemours and Company. Insecticidal and acaricidal oxazolines and thiazolines. (Convention No. 08/376, 951; on 20-1-95; in U.S.A.).
- 36/Cal/96. E. I. Du Pont De Nemours and Company. Hydrocyanation of doilelins and isomerization of non-conjugated 2-alkyl-3-monoalkenenitriles. (Convention No. 08/379, 429; on 27-1-95 and Nil on 28-11-95, in U.S.A.).

09-01-1996

- 37/Cal/96. Daewoo Electronics Co. Ltd. A circulating pump for cooling water to be forcibly circulated. (Convention No. 95-22075; on 25-07-95; in Korea).
- 38/Cal/96. Daewoo Electronics C. Ltd. Circulating pump. (Convention No. 95-18229; on 29-6-95; in Korea).
- 39/Cal/96. Daewoo Electronics Co. Ltd. A circulating pump with a sub-impeller. (Convention No. 95-18216; on 29-06-1995; in Korea).
- 40/Cal/96. Swapan Kumar Chattopadhyay. Improvement in or relating to filters used in cigarettes/cigars.
- 41/Cal/96. Siemens Aktiengesellschaft. Switch-disconnector pane in enclosed medium-voltage switchgear. (Convention No. 29504580.9; on 8-3-95; in Germany).

- 42/Cal/96. ACS Dobfar S. P. A. Improved enzymatic process for producing penicillins and cephalosporins. (Convention No. MI 95A000383; on 28/2/95; in Italy).
- 43/Cal/96. Wen-yuan Lee. Modular form assembly for concrete structure.
- 44/Cal/96. (1) Jonathan James Savcker and (2) Trevor David Bonnell. High speed cutting tool. (Convention No. 9500903.9; on 11/01/95 and 9510656.3; on 25/5/95; In Great Britain).
- 45/Cal/96. Thomson Consumer Electronics, Inc. User channel selection control for a video receiver modulator. (Convention No. 384, 299, on 6/2/95; in U. S. A.).
- 46/Cal/96. Indian Aluminium Company, Limited. Lubricant composition suitable for hydrostatic bearings.
- 47/Cal/96. Sridhar Kota. Compliant force distribution arrangement. (Convention No. 08/369, 803; on 09/01/1995; in U. S. A.).

APPLICATIONS FOR PATENTS FILED AT THE  
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,  
MADRAS-600 002.

The 11th September 1995

- 1174/Mas/95. Lucas, Rex Cameron. Portable sawmill.
- 1175/Mas/95. United States of America as represented by the Secretary of Agriculture. Control of plant gene expression.

The 12th September 1995

- 1176/Mas/95. Monsanto Company. Fungicides for the control of take-all disease of plants.
- 1177/Mas/95. Hoechst Aktiengesellschaft. Free-flowing polytetrafluoroethylene molding powder.
- 1178/Mas/95. Sonex Research Inc. Charge conditioning system for enabling cold starting and running of spark-ignited, diesel fueled piston engines.
- 1179/Mas/95. Qualcomm Incorporated. Multipath search processor for a spread spectrum multiple access communication system.
- 1180/Mas/95. Qualcomm Incorporated. Multiple band radio.
- 1181/Mas/95. Qualcomm Incorporated. Method and apparatus for providing broadcast messages in a communications network.
- 1182/Mas/95. Qualcomm Incorporated. Method and apparatus of providing a single state mobile unit in a modem connection comprising a wireless link.
- 1183/Mas/95. Sedepro. A device and a method for continuously incorporating precisely metered powdered material.
- 1184/Mas/95. Senetek PLC. A fluid injector.
- 1185/Mas/95. The South India Textile Research Association. A solvent sizing process for improving the mechanical properties of textile materials and textile materials obtained thereby.

The 13th September 1995

- 1186/Mas/95. T. Muthi. A toy game named "GET INDIA."
- 1187/Mas/95. Nilagiri Mittu. Improvements in or relating to Gear change indicators used in automobiles marine, aircraft and other machineries.
- 1188/Mas/95. AECI Limited. Citric acid.
- 1189/Mas/95. Mauser-werke GmbH. Open top drum.

- 1190/Mas/95. Tetherless Access Limited. Enhanced adjacency detection protocol for wireless applications.
- 1191/Mas/95. Tetherless Access Limited. CSM/A with dynamic persistence.
- 1192/Cal/95. Metal Lastra S r L. Movable-bottom spinning cam for yarns and/or the like.
- 1193/Mas/95. Sato Iron Works Co. Ltd. Vacuum kdrying tower.
- 1194/Mas/95. Mod-tap W. Corporation. Insulation displacement connector. (September 13, 1994; Great Britain).

The 14th September 1995

- 1195/Mas/95. Fredun Ruston. True magnetic compass. (September 15, 1994; Canada).
- 1196/Mas/95. Snaprogetti S. p. A. Method for restoring the functionality of equipment subjected to heavy corrosion in a plant for the production of urca.
- 1197/Mas/95. Maschinenfabrik Rieter AG. Cooling device for textile machine.
- 1198/Mas/95. Maschinenfabrik Rieter AG. Machine for the production of wadding laps from fibre slivers.
- 1199/Mas/95. Signet Armorlite, Inc. Polyester resin-based high index ophthalmic lenses having improved optical uniformity and/or tintability.
- 1200/Mas/95. Bracco Research S. A. Ultrasonic spectral contrast imaging.
- 1201/Mas/95. Bracco Research S. A. Liposomes with enhanced entrapment capacity, method and use.

The 15th September 1995

- 1202/Mas/95. Mitsubishi Jukogyo Kabuhiki Kaisha. Gas-liquid contractor and wet flue-gas desulfurization system.
- 1203/Mas/95. Societe Des Produits nestle S. A. Die assembly.
- 1204/Mas/95. Fastland Technology Australia Pty. Ltd. Injection means. (September 16, 1994; Australia).
- 1205/Mas/95. Schneider Electric S.A. Trip device comprising at least one current transformer.

The 18th September 1995

- 1206/Mas/95. Sree Chitra Tirunal Institute for Medical Sciences & Technology. Process for the preparation of steroid loaded chitosan beads.
- 1207/Mas/95. Chinnaswami Varadarajan. A wet grinder.
- 1208/Mas/95. The Dow Chemical Company. A process for preparing polyurethane foam in the presence of a hydrocarbon blowing agent.
- 1209/Mas/95. Inhale Therapeutic Systems. Apparatus and methods for dispersing dry powder medications.

The 19th September 1995

- 1210/Mas/95. NE-Products OY. Terminal equipment.
- 1211/Mas/95. FLO-CON Systems Inc. A clamp ring assembly for use with a valve for teeming metal from a vessel.
- 1212/Mas/95. MODTAP W. Corporation. Insulation displacement connectors. (September 19, 1994; Great Britain).
- 1213/Mas/95. Institut Francais Du Pétrole. Two stroke engine with air blast fuel mixture injection.

1214/Mas/95. Novo Nordisk A/S. A method for the processing of hides or skins into leather.

The 20th September 1995

1215/Mas/95. Cheminor Drugs Limited. An improved process for preparation of a crystalline form of ranitidine hydrochloride.

1216/Mas/95. Cheminor Drugs Limited. An improved process for the resolution of ibuprofen.

1217/Mas/95. Balu Ravikrishnan. An apparatus for drying and/or, pyrolysing and/or incinerating solid organic matter.

1218/Mas/95. Balu Ravikrishnan. A single/multiple cartridge type heating device for heating fluids.

1219/Mas/95. NV Raychem SA. Cable sealing. (September 21, 1994; Great Britain).

1220/Mas/95. N. V. Raychem SA. Sealing device. (September 21, 1994; Great Britain)

1221/Mas/95. NV Raychem SA. Retention strip. (September 21, 1994; Great Britain).

1222/Mas/95. NV Raychem SA. Cable splice closure (September 21, 1994; Great Britain).

1223/Mas/95. Raychem Limited. Sealing member. (September 21, 1994; Great Britain).

The 21st September 1995

1224/Mas/95. SMS Schloemann-Siemag Aktiengesellschaft. A multipart roll stand.

1225/Mas/95. Thermore (Far East) Ltd. Thermally insulating material, specifically designed for garments, quilts, sleeping bags and the like.

1226/Mas/95. Acushnet Company. Conforming shoe construction using gels and method of making the same. (March 15, 1995; U. S. A.).

1227/Mas/95. Asturiana De Zinc S. A. Continuous procedure for the simultaneous collection and precipitation of mercury in gases containing it.

1228/Mas/95. Asturiana De Zinc S. A. Procedure to obtain mercurymetal from products containing mercuric chloride.

The 22nd September 1995

1229/Mas/95. Fujisawa Pharmaceutical Co., Ltd. Urea derivatives. (October 4, 1994; United Kingdom).

1230/Mas/95. Societe Des Produits Nestle S. A. Spraying aroma in containers.

1231/Mas/95. Caudill Seed Company Inc. Plant growth promoter.

1232/Mas/95. A. K. Technical Laboratory, Inc. Composite molding device applied for stretch blow molding.

1233/Mas/95. A. K. Technical Laboratory, Inc. Method of molding large containers by the process of stretch blow molding.

1234/Mas/95. Trafalgar House Technology Ltd. Concrete Compositions. (September 23, 1994; Great Britain).

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The 25th July 1995

333/Bom/95. Hindustan Lever Ltd. Use of dibutyl malate as insect attractant.

The 26th July 1995

334/Bom/95. Jin-Chen Lin & Ming-Chang Lin. A bracket Axle device for a bicycle.

The 28th July 1995

335/Bom/95. Dr. Kishan Rijhwani. Epidural guide.

336/Bom/95. Sachin Sadanand Joshi & Sammer Sadanand Joshi. An improved solar water heater.

337/Bom/95. Babubhai Madhabhai Savalia. Table top portable tonerdo.

338/Bom/95. Rakesh Ramanbhai Shah. Comfort chair.

The 31st July 1995

339/Bom/95. Kirit Trambaklal Badheka & Chetan Kiritkumar Badheka. An improved multifilament lamp with fittings having auto-switching electronic device.

The 2nd August 1995

340/Bom/95. Novotech Enterprises Pvt. Ltd. Child seat for a two-wheeler.

341/Bom/95. Shankar S. Chattopadhyay & Pratap Laxmanrao Deshmukh. Improved control system for desiccant dryer to accomplish maintenance of predesigned dew point irrespective fluctuations in flow of incoming hot comp. air.

342/Bom/95. Rameshbhai Kalabhai Patel. Electrically insulated foldable hand gloves pair with computer keys.

343/Bom/95. Shah Vinodray Nanchand. Blades of wind mill in sections.

The 3rd August 1995

344/Bom/95. Anil Kumar Kainya & Bipin Kumar Rathod. Improved door closer for sliding doors.

345/Bom/95. Hindustan Lever Limited. Hair Styling composition and method. U. K. Priority dt. 5-8-94.

346/Bom/95. Hindustan Lever Ltd. Process for extract.

The 7th August 1995

347/Bom/95. Prof. Sharad Govind Dixit and Mr. Anand R. Mahadeshwar. Insecticide compositions in spontaneous and quasi-spontaneous emulsion form.

348/Bom/95. V. C. Malshe, E. S. Sujathar and A. K. Kolan. Inorganic supported polymeric catalysts.

The 8th August 1995

349/Bom/95. Shop Aid Manufacturers Pvt. Ltd. Rotary segmented disc type pre-coat pressure filter.

350/Bom/95. Mintage Consultants Pvt. Ltd. A device for preventing land vehicles from rolling backwards.

The 9th August 1995

351/Bom/95. Hindustan Lever Ltd. Fermentation process.

352/Bom/95. Hindustan Lever Ltd. Detergent composition.

353/Bom/95. Dr. Ratnakar Balkrishnamoorthy Pandrangi and Dr. Radheshyam B. Somani. Vacuum-evaporation for solid separation and recycling of water.

The 11th August 1995

354/Bom/95. Hindustan Lever Ltd. Tanning Composition.

355/Bom/95. GAV. BOMI Master. Multi Mode Modular Testing Vehicles.

The 14th August 1995

- 356/Bom/95. Hindustan Lever Ltd. Process.  
 357/Bom/95. Hindustan Lever Ltd. Process.  
 358/Bom/95. Hindustan Lever Ltd. Process.  
 359/Bom/95. Hindustan Lever Ltd. Process.  
 360/Bom/95. An scung Wou. Unloading machine.

The 16th August 1995

- 361/Bom/95. Dynamic Enterprises. An instrument for the measurement of lubricant oil.

The 18th August 1995

- 362/Mas/95. Indian Oil Corporation Ltd. An improved lubricating oil composition for medium speed engine operating on distillate fuels.

The 21st August 1995

- 363/Bom/95. Darius Ardherar Wadia. A method and device for accelerated evaporation of sea water in a salt pan for increased production of salt.

The 23rd August 1995

- 364/Bom/95. Sureshchandra Uttamchand Rathod. A three pin power plug with built in miniature circuit breaker.  
 365/Bom/95. Hindustan Antibiotics Ltd. One step conversion of cephalosporin C to 7-amino cephalosporanic acid by cephalosporin C acylase.  
 366/Bom/95. Hindustan Lever Ltd. Production of anionic surfactant Granules. U. K. Priority dt. 26-8-94.  
 367/Bom/95. Hindustan Lever Ltd. Production of anionic surfactant granules by in situ neutralisation.

The 24th August 1995

- 368/Bom/95. Kirit Trambaklal Badheka & Chetan Kirtikumar Badheka. An improved multifilament lamp with fittings having semi auto-switching manual device.  
 369/Bom/95. Madhusudan Hiralal Desai and Gopal Kasat. A gear Chamfer machine.  
 370/Bom/95. Nicolass Philipus Jacobus Van Der Hoven & Henry Justus Herman Van Der Hoven. Fish hook.  
 371/Bom/95. Satya Health Farm & Resorts Pvt. Ltd. An improved accupressure device.

The 28th August 1995

- 372/Bom/95. Filterwerk Mann Hummel GMBH. Fluid filter.

The 30th August 1995

- 373/Bom/95. Dr. Y. K. Hamid, Mrs. Geena Malhotra, Dr. V. G. Nayak. Pharmaceutical composition  
 374/Bom/95. Srinivas Consultants. Process of treating effluent water to make it suitable for fish/prawn cultivation.  
 375/Bom/95. Lupin Laboratories Ltd. A process for the manufacture optically pure (R) or (S) -3-Acetylthio 2-Methylpropanoic acid.

The 31st August 1995

- 376/Bom/95. Maharaj Krishen Mehta. Improvements in or relating to a method and a machine for producing film-enrobed unitary core medicament and the like.  
 377/Bom/95. Mintage Consultants Pvt. Ltd. A torch.  
 378/Bom/95. Dipten Pututunda. A process for manufacturing food grade colours from flowers, typically HIBISCUS.

379/Bom/95. Kishor Udhav Joshi. Energy efficient absorption cooler.

380/Bom/95. Dr. H. C. Erich Doring. Finger protection means for a sectional door.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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## स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अगुम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियन्त्रक, एकत्र के उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित पत्रावलि, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप हैं”।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हो, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की मापूरीत पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 170 B [XL III C]

176371

Int. Cl. : C 11 D - 10/00

A FREE FLOWING PARTICULATE DETERGENT COMPOSITION AND A PROCESS FOR PREPARING THE SAME.

Applicants : HINDUSTAN LEVER LTD., A COMPANY INCORPORATED UNDER THE LAWS OF INDIA, OF HINDUSTAN LEVER HOUSE, 165-166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) ANDREW PAUL CHAPPLE.

(2) WILLIAN DEREK EMERY

(3) PETER CORY KNIGHT

Application for Patent No. 200/Bom/1992 filed 24th June, 1992.

U.K. Priority date 25th June, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

## 29 Claims.

1. A free-flowing particulate detergent composition which comprises :

- (1) a particulate carrier material comprising from 10 to 1000 wt% (anhydrous basis) of zeolite P having a silicon to aluminium ratio not greater than 1.33 (zeolite MAP), and
- (2) a liquid, viscous - liquid, only or waxy detergent ingredient, the weight ratio of the ingredient (ii) to the zeolite MAP being at least 0.01 : 1.

Ind. Cl. : 4 A 3 (L) III (1)

176372

Int. Cl. : B 64 D 25/00

## AIRSTRIP FOR EMERGENCY BELLY LANDING

Applicant & Inventor : AMARNATH NILKANTH JUNKAR DESAI-COTTAGE, PLOT NO. 49, BLOCK NO. 4, DR. M. B. RAUT ROAD, SHIVAJI PARK, BOMBAY-400 028 MAHARASHTRA, INDIA.

Application No. : 213/Bom/1992 Filed on 7, Jul 1992.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

## 1 Claim

An air strip for emergency belly landing consisting a heavy duty conveyor belt mounted between the steel rollers at the extreme ends and in between the conveyor belt a plurality of semisolid rubber roller mounted on side rails fitted - longitudinally with the conveyor belt which - assembly is fitted on triangular side plates which are supported on rectangular base plates.

Complete specification - 6 pages;

Drawings - 2 sheets

Ind Cl. : 61 A [VIII]  
Cl. : 62 E [XXII]

176373

73

Int. Cl. : D 06 F - 58/10

## IMPROVED FABRIC DRYER.

Applicants : M/s. HARISH TEXTILE ENGINEERS LIMITED, HAVING REGISTERED OFFICE AT PARSI PANCHAYAT ROAD, ANDHERI EAST, BOMBAY-400 069, MAHARASHTRA, INDIA, AN INDIAN ORGANIZATION.

Inventor : SHRI KIRTIKUMAR SHANTILAL GANDHI

Application No. 219/Bom/92 Filed on 13-07-1992.

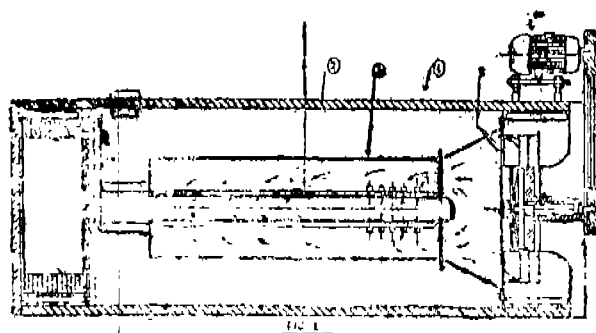
Post dated to 13-01-93

Complete after Provisional Left on 12-4-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

## 11 Claims

An improved fabric drier comprising a hot air chamber, means for passing a length of wet fabric through the said chamber from one end thereof and means for receiving the dried fabric from the other end of the chamber and hot air means located within the chamber, characterized in that the hot air distributing means are formed of a plurality of air distribution boxes disposed parallelly across the length of the said chamber, each said box or distributor having a trough sanction and a cover plate on the top, a plurality of air distribution holes formed on the top cover plate for the escape of air in the form of jets, the trough section having hot air admission port/ports communication with a hot air source.



Prov. Specn. 5 pages, Drgs. Nil

Comp. specn. 11 pages, Drg. 2 sheets.

Ind Cl. : 170 B (XL 111 (4) )

176374

Int. Cl. : C 11 D, 9/12.

POURABLE AQUEOUS, HARD SURFACE CLEANING COMPOSITION COMPRESING A WATER SOLUBLE ABRASIVE.

Applicants : HINDUSTAN LEVER LTD., 165/166 BACKBAY RECLAMATION, BOMBAY-400020 MAHARASHTRA, INDIA.

Inventors : (1) TERRY INSTONE, (2) DAVID PHILIP JONES, (3) KENNETH, LESLIE KABONE, (4) MAY SHANA'A

Application No. 223/Bom/1992 Filed Sep 15, 1992.

U. K. Priority date July '9, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

## 3 Claims

1. Pourable, aqueous, hard surface cleaning composition comprising :

- (a) 0.1-10% of a substantially hydrophobic perfume, said perfume comprising a substantially water-insoluble fragrant substance selected from the group consisting of essential oils, resinoids, resins, esters, ethers, aldehydes, alcohols hydrocarbons, ketones, lactones, pyrrones, pyrroles and mixtures thereof.
- (b) 1.5-30% wt of surfactant, said surfactant being selected from the group consisting of monionic surfactants, anionic surfactants and mixtures thereof.



- (c) 15-75% of water-soluble abrasive, said abrasive having a mean particle size of 15µm to 300µm, said abrasive being sodium bicarbonate present in a quantity such that at 20 Celsius at least 5% by weight of the overall composition comprises undissolved particles of said abrasive, and,

- (d) 25-80% water

Said composition having a viscosity at 20 Celsius of at least 6500 Pas at a shear rate of  $3 \times 10^{-5}$  sec<sup>-1</sup> and not more than 10 Pas at a shear rate of 21 sec<sup>-1</sup> as measured with a rotational viscometer, said composition remaining stable after storage at 37 Celsius for twelve weeks or remaining stable after twelve temperature cycles from -5 Celsius for eight hours to 25 Celsius for sixteen hours.

Complete Specification - 31 Pages,

Drawings - Nil.

Ind. Cl. : 102 D, Gr. [XXIX (1)] &  
101 E, Gr. [XXVIII (2)]

176375

Int. Cl. : G 01 F - 1/58, 1/00

#### A FLOW MEASURING DEVICE.

Applicant & Inventor : AVINASH SHRIKRISHNA, VAIDYA INDIAN NATIONAL OF 122/3 ERANDAVANA, ANURAG APARTMENTS, PUNE 411004 MAHARASHTRA, INDIA.

Patent Application No. 277/Bom/92 Filed on 11-09-92

Complete after Provisional Specification Filed on 04-10-93

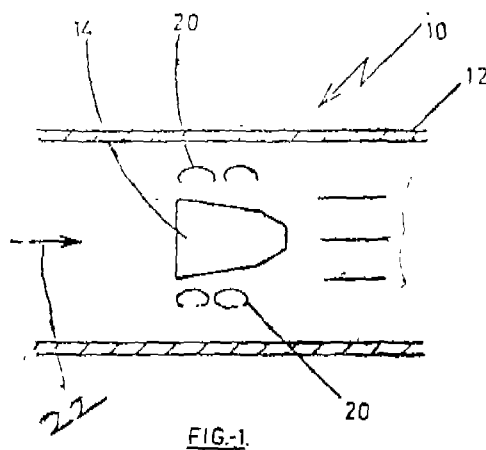
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay 13.

#### 4 Claims

A flow measuring device comprising a flow tube for carrying fluid to be measured;

a vortex generating body, at least partly disposed in the interior of the tube; and

sensing means which can sense vibrations such as, seismic sensors, thermistors, optical sensors, ultrasound sensors, piezo electric transducers and the like, located outside the flow tube for sensing the vibrations created by the formation of the vortices in the flow tube as a result of the passage of fluid across the vortex generating body.



Provisional specification - 04 pages.

Complete specification - 08 pages

2-67 GI/96

Drawing - 01 sheet

Drawing - 01 sheets

Ind. Cl. : 50 A [VII(1)]

176376

Int. Cl. : A 47 J - 41/00.

#### A DISPOSABLE VACUUM FLASK.

Applicants : EAGLE FLASK INDUSTRIES LTD. EAGLE ESTATE, TALEGAON-410 507 DIST. PUNE, MAHARASHTRA, INDIA.

Applicant : ALIMOHAMED CHHAGANBHAI PADAM-SEE.

Application No. 293/Bom/1992 filed on September 18, 1992.

Complete after provisional left November 18, 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

#### 2 Claims

A disposable vacuum flask comprising of a double walled refill having an open mouth at top and vacuum point at Bottom, the annular space between the two walls being evacuated to provide a vacuum, a coating of soft substance such as polyethylene foam provided over the outer surface of the outer wall of the said refill; an outer cover made of agro based material such as corrugated board, cardboard, paper board, encasing the said refill, at least upto the neck region of the said refill, a pair of slits being provided in the said outer cover to facilitate lifting of the flask an insulating packing made of agro based material provided between the bottom of the outer cover and the said refill, a lid adapted to be thread fitted over the mouth of the said refill, a spout with a stopper plug made of agro based insulated material provided in the said lid.

Compl. specn. 7 pages

Drgs. 2 sheets

Provisional specn. 6 pages

Drgs. 2 sheets

Ind. Cl. : 201 A + D Gr. (II4)

176377

79A + C<sub>2</sub> Gr. [LVIII(5)]

Int. Cl. : C 25 B - 9/00, 1/26;

C 02 F - 1/46, 1/76.

#### PORTABLE ON-LINE CHLORINATOR FOR WATER.

Applicants : ION EXCHANGE INDIA LTD., OF TIE-CICON HOUSE, DR. E. MOSES ROAD, MAHALAKSHMI, BOMBAY-400 011, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventors : (1) CLIFFORD FRANCIS D'SOUZA  
(2) DR. VINOD CHINTAMANI MALSHE.

Application No. 299/Bom/92 filed on 24-9-1992.

Complete after provisional left on 20-10-1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

#### 5 Claims

An on-line portable electro chlorinator for causing a sterilization or purification of potable water comprising :

- a housing;
- an electrode assembly characterized in that;
- said electrode assembly comprises a tubular electrode assembly housing;
- said electrode assembly comprising a tubular anode held at one end to said assembly a housing.
- a tubular cathode held at the opposite end of said assembly housing;
- said cathode disposed in a speed relationship within said anode, said anode and cathode adapted to be connected to a power source.

Prov. specn. 6 pages

Drgs. 1 sheet

Comp. specn. 6 pages

Drgs. 2 sheets

Ind. Cl. : 170 A + B [XLIII(4)]

175378

Int. Cl. : C 11 D-11/00, 17/00.

A PROCESS FOR THE MANUFACTURE OF BUILT DETERGENT PRODUCTS AND SAID PRODUCTS PREPARED THEREBY.

Applicants : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 OF HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-4000 20, MAHARASHTRA, INDIA.

Inventors : (1) ADRIAN NELSON  
(2) CHRISTINE OVERTON  
(3) DAVID MURREY POMPHREY.

Application No. 340/Bom/92 filed on 29-10-92.

U.K. Priority date 30-10-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013

## 7 Claims

A process for the manufacture of built detergent products in shaped solid form comprising :

8-45 wt % of non-soap detergent active, comprising anionic, nonionic, amphoteric and/or zwitterionic detergent active, 10-70 wt % of water-soluble salts comprising phosphates, carbonates and/or organic salts, and 10-70 wt % of water-insoluble inorganic material comprising aluminosilicate, talc, calcite, kaolint bentonite, silica and/or calcium silicate characterized by mixing the ingredients to form a particulate mixture, said mixture comprising at least some particles, containing both detergent active and other material formed by granulation; and

then compacting the mixture in a mould to a shaped solid product with an air content not exceeding 30% by volume.

Comp. specn. 41 pages

Drgs. Nil

Ind. Cl. : 189

176379

Int. Cl. : A 61 K-7/32.

ANTIPERSPIRANT MATERIALS AND COMPOSITION.

Applicants : HINDUSTAN LEVER LTD. OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventors : (1) LENG RFANCIS JOHN  
(2) PARROTT DAVID TERENCE.

Application No. 353/Bom/92 filed on 12-11-92.

U.K. Priority dated 12-11-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

## 16 Claims

An antiperspirant composition suitable for topical application to human skin, comprising :

an antiperspirant active having an antiperspirant effect which comprises at least one amphiphilic material such as herein described the antiperspirant active being one which forms, upon contact with perspiration, a water-in soluble liquid crystal phase of greater than one-dimensional periodicity.

Comp. specn. 34 pages

Drgs. 4 sheets

Int. Cl. : F 21 V 31/00; 31/02

176380

Ind. Cl. : 112 B, D, F, G. [XXX(3)]

AN IMPROVED GATE/GARDEN LIGHT.

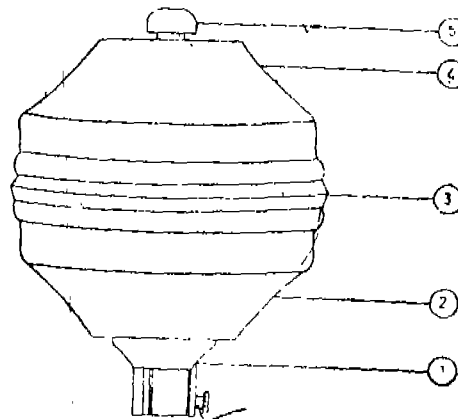
Applicants : JAGAMOHAN DALICHAND LALANI OF SHREENATH DARSHAN, S. V. ROAD, VILE PARLE (W), BOMBAY-400 056, MAHARASHTRA, INDIA.

Application No. 287/Bom/1993 filed September 6, 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

## 2 Claims

"AN IMPROVED GATE/GARDEN LIGHT" comprising of mounting pole cap with upper plastic diffuser, lower plastic diffuser with pole cap base fixed in seamless jointing grooved ring downward and upward respectively with pole cap to tighten the Gate/Garden light fitting.



Complete specn. 5 pages

Drgs 2 sheets

Ind. Cl. : 132 [XXXIV(3)]

176381

Int. Cl. : B 28B-13/02.

PROCESS AND A DEVICE FOR THE PRODUCTION OF SOPE/DETERGENT FORMS.

Applicants : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 AND HAVING ITS REGISTERED OFFICE AT HINDUSTAN LEVER HOUSE, 165-166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) VIJAY MUKUND NAIK.  
(2) DHANRAJ KALYANSUNDARAM CHOKKAPPA.

Application No. 323/Bom/91 filed on 29-10-91.

Post dated to 29-10-93.

Date of filing complete after provisional specn. 13-4-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

## 13 Claims

A process for the manufacture of soap/detergent forms which include the step of treating a soap/detergent feedstock by passage through an oppositely threaded, counter-rotating twin screw extruder having substantially intermeshed screws in the discharge zone such that as the feedstock passes through said extruder, it is divided into several discrete substantially closed c-shaped segments bounded by the screw and barrel surfaces and traces a positive path whereby bulk of the feed stock moves substantially parallel to the rotational axis of the screws.

Prov. specn. 9 pages

Drgs. 3 sheets

Comp. specn. 19 pages

Drgs. 5 sheets.

Ind. Cl. : 170 D Gr. [XLIII(4)]

176382

Int. Cl. : C 11 D—13/00.

**TOILET SOAP BARS AND THE PROCESS OF MANUFACTURING THE SAME.**

Applicants : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 OF HINDUSTAN LEVER HOUSE, 165-166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) JOHN GEORGE CHAMBERS  
(2) GEOFFREY IRLAM.

Patent Application No. 322/Bom/92 filed on 14-10-92.  
G.B. priorities dated 14-10-91 & 14-07-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

**11 Claims**

Toilet soap bar comprising :

- At least 25% wt of total actives of lauric acid soaps.
- As the balance of the soaps, non-lauric soaps having an iodine value of less than 45; and
- At least 5% wt of total actives of one or more synergistic mildness active.

Compl. specn. 26 pages

Drgs. Nil

Ind. Cl. : 189

176383

Int. Cl. : A 61 K-7/46.

**PERFUME COMPOSITION.**

Applicants : HINDUSTAN LEVER LTD. OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventors : (1) JOHN MARTIN BEHAN  
(2) CHRISTOPHER FRANCIS CLEMENTS  
(3) DAVID CHARLES HOOPER  
(4) JOHN ROBERT MARTIN  
(5) JAMES BARRIE MELVILLE  
(6) KEITH DOUGLAS PERRING.

Application No. 350/Bom/92 filed on 11-11-92.

U.K. priority date 11-11-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

**21 Claims**

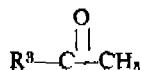
A perfume composition in which at least 50% by weight of the composition is constituted by at least four of the following five categories :

- from 0.2 to 20% of one or more ethers of general formula



in which the groups  $R^1$  and  $R^2$  are connected only through the ether oxygen atom, and are aliphatic or aromatic groups such that the ether has a molecular weight of 150 to 200;

- from 5 to 50% of one or more aromatic methyl ketones of general formula



in which  $R^3$  is an aromatic group such that the molecular weight of the ketone is from 170 to 300;

- from 5 to 50% of one or more alcohols of general formula



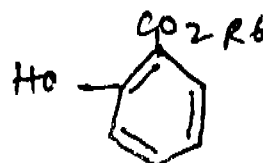
in which  $R^4$  is an aliphatic group, optionally containing not more than one olefinic double bond, and optionally bearing an aromatic substituent group, such that the molecular weight of the alcohol is in the range 130 to 180;

- from 2 to 40% of one or more esters which are acetates or propionates of general formula



in which the group  $R^5$  is an aliphatic group optionally containing not more than one olefinic double bond, and optionally bearing an aromatic substituent group such that the molecular weight of the ester is in the range 180 to 210,

- from 2 to 60% of one or more salicylates of general formula



in which  $R^6$  is an aliphatic group, optionally containing not more than one olefinic double bond, and optionally bearing an aromatic substituent group, such that the molecular weight of the salicylate is in the range 190 to 230,

with the proviso that the categories which are present include :

- both category (a) which is the said ethers and category (b) which is the said aromatic methyl ketones with category (a) then containing from 0.2 to 6% by weight of one or more ethers in which the group  $R^1$  is phenyl or naphthyl, optionally substituted with alkyl, and/or include;
- both category (a) which is the said ethers and category (c) which is the said salicylates, all the above percentages being by weight of the whole perfume composition.

(Compl. Specn. 52 pages;

Drgs.—Nil)

Ind. Cl. : 170 D Gr. [XLIII (4)]

176384

Int. Cl. : C 11 D-9/06.

**A LOW TFM CONTENT DETERGENT COMPOSITION.**

Applicants : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 AND HAVING ITS REGISTERED OFFICE AT HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) VINODKUMAR RAMNIRANJAN DHANUKA,  
(2) DEVADATT SHIVAJI SANKHOLKAR,  
(3) FAKHRUDDIN ESMAIL PACHA.

Patent Application No. : 376/Bom/92 filed on 14-12-92.

Complete after provisional specification filed on 25-01-94.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

## 5 Claims

A low TFM content detergent composition having excellent hardness, cleaning and lathering properties essentially comprising :

25 to 70% by weight of Total Fatty Matter (TFM)

0.1 to 20% by weight of colloidal aluminium hydroxide (A-g 1) in the particle size range of 0.1—2.5µm.

15 to 52% by weight of water and

balance being other and minor additives such as herein described.

(Prov. Specn. 8 pages;

Drugs.—Nil)

(Compl. Specn. 10 pages;

Drugs.—Nil)

Ind. Cl. : 33 F, Gr. [XXXIII].

176385

Int. Cl. : B 22 C-9/08

**VERTICALLY PARTED MOULD HAVING A FEEDER UNIT THEREIN.**

Applicants : FOSECO INDIA LIMITED, JOLLY BHAVAN NO. 2, 1ST FLOOR, NEW MARINE LINES, BOMBAY-400020, MAHARASHTRA, INDIA.

Inventor : D. GEORGE METEVELIS, AND BARRY CHARLES WINGFIELD.

Application No. : 402/Bom 1992 Filed Dec 17, 1992.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Barnch, Bombay-400 013.

## 24 Claims

A vertically parted mould comprising one or more mould cavities and a plurality of feeder cavities each communicating with a mould cavity and having therein a feeder unit comprising a plurality of interconnected feeder sleeves, each of the feeder sleeves, surrounding one of the feeder cavities.

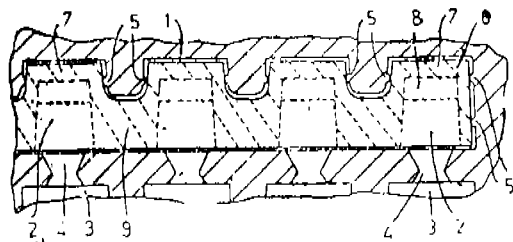


FIG 2

Comp. specn. 12 pages,

Drugs. 2 sheets.

Ind. Cl. : 13 A, C, Gr. [XL (1)] and

176386

143 D<sub>2</sub> & D<sub>4</sub> Gr. [XI. (5)]

Int. Cl. : B 65 B-29/02.

**APPARATUS FOR SHAPING A FLEXIBLE HEAT-SEALABLE WEB INTO A TUBULAR CROSS-SECTION SHAPE.**

Applicants : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA. A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventors : 1. GEOFFREY WILLIAM VERNON.  
2. JAMES GOODWIN,

Application No. : 22/Bom/93 Filed on 20-01-93.

G. B. Priority Dt. 20-01-92.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Barnch, Bombay-400 013.

## 11 Claims

Apparatus for shaping a flexible heat-sealable web into a tubular cross-section shape, comprising means for progressing the web along a former member disposed within the width of the web, means for folding the side margins of the web over the former member and for placing the opposite side margins in overlapping relationship against the former member, a displaceable element mounted on said member providing a support surface for said overlapping side edges and being moveable in step with the web, and means for heating and pressing said edges together to lap weld said edges as the web travels along the former member, said former member having a hollow lower profile providing a space for the passage of material placed on the web in its central portion between said folded-over side margins.

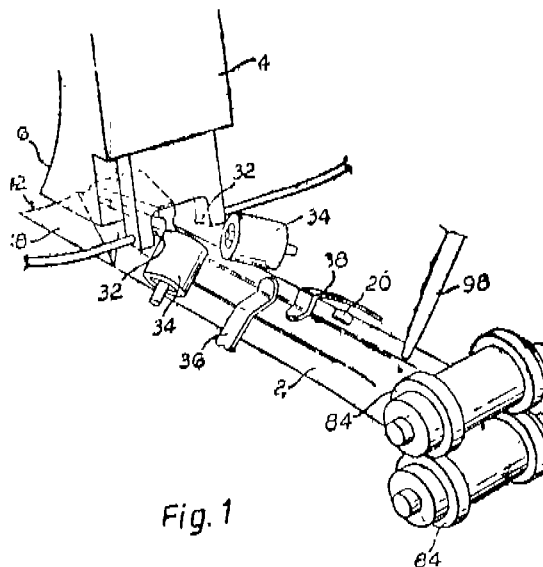


Fig. 1

Comp. specn. 14 pages,

Drugs. 03 sheets

Ind. Cl. : 13 D [XL (1)]

176387

Int. Cl. : A 45 C-5,00.

**A BUMPER FOR A LUGGAGE CASE.**

Applicant : VIP INDUSTRIES LTD., AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT 78-A MIDC ESTATE, SATPUR, NASHIK-422 007, MAHARASHTRA, INDIA.

Inventor : RAMCHANDRA VENKTACHALAM.

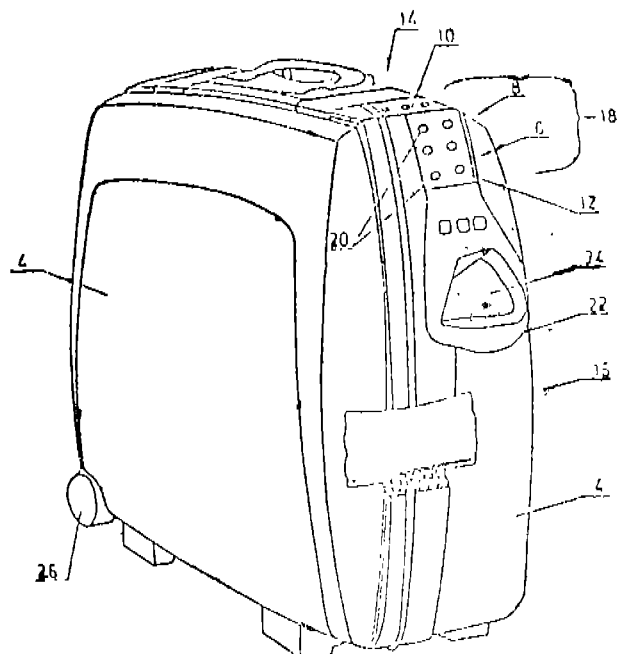
Application No. : 46/Bom/93 filed on 05-02-93.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Barnch, Bombay-400 013.

## 5 Claims.

A bumper for a luggage case which is moulded in a plastic material and has deformable projections arranged on at least

one of its surfaces, the projections being exposed when the bumper is in place on a luggage case.



Complete specification : 6 pages.

Drawings : One sheet.

Ind. Cl. : 86 E (LXVI), 57 D (LXIV)

176388

Int. Cl. : A 47 H-5/02

DEVICE FOR SLIDING TO OPEN OR CLOSE CURTAINS OF DOOR PANELS OR SHUTTERS OR THE LIKE.

Applicant : HANSU CONTROLS LIMITED, AN INDIAN COMPANY, AT 16, JAYSHILPAM, GARDEN LANE, GHATKOPAR (WEST) BOMBAY-400 086, MAHARASHTRA STATE, INDIA.

Inventor : PRADEEP VIJAL SAVLA.

Application No. : 52/Bom/1993, filed on Feb 18, 1993.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

2 claims

A device for sliding to open or close curtains of door panels or shutters or venetian blinds, comprising—

a longitudinal channel secured to a supporting base located horizontally at the top of door facing downwardly;

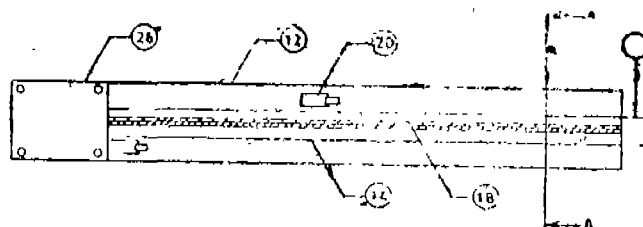
at least a pair of pulleys mounted at both extreme ends of the said longitudinal channel;

a motion transmission element, such as, an endless conveyor rope or conveyor belt, provided encircling the said pair of pulleys;

a pair of preset sensor devices one located near the one of the pulleys and other at the maximum opening limit, which is the central point between the pair of pulleys;

a pair of driver elements secured at central point at both sides to the encircled motion transmission element to which the curtains venetian blinds, sliding door panels, shutters or the like may be secured for closing or opening or positioning at different positions and

a reversible motor mounted and coupled with at least one of the said pulleys, which may be operated with the use of an electrically connected push button unit or the like or at electronic remote control device using frequency signals.



Complete specification 9 pages

Drgs. 5 sheets

Ind. Cl. : 204 Gr [XLI (10)]

176389

27 I. Gr [XXVI (1)]

Int. Cl. : F 01 G-19/00

F 04 C-17/00

A COMPOSITE REINFORCED CEMENT CONCRETE PLATFORM FOR A WEIGHBRIDGE AND A METHOD OF MANUFACTURING THE SAME.

Applicants : PHILIPS INDIA LIMITED, BLOCK "A", SHIVSAGAR ESTATE, DR. ANNIE BESANT ROAD, BOMBAY-400 018, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

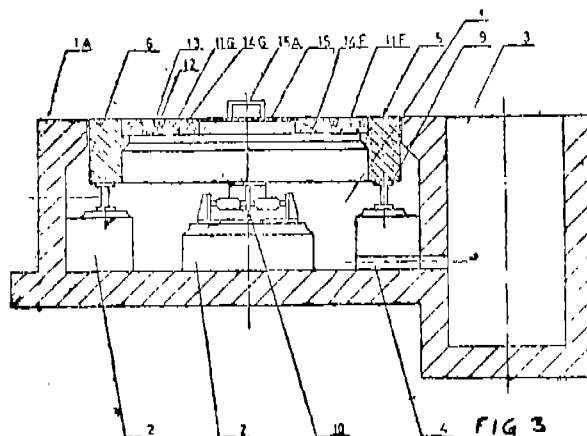
Inventor : SACHIN NARAYAN JOSHI.

Application No. : 79/Bom/93, filed on 17-03-93.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

06 Claims

A composite reinforced cement concrete platform for a weighbridge consisting of a reinforced cement concrete frame provided with opening and slabs locating means along the peripheral side walls of the openings and cast *in situ* at the mouth of a reinforced cement concrete pit of said weighbridge and precast reinforced cement concrete slabs provided with grip means and disposed in said openings and removable located on said locating means.



Comp. specn. 12 pages

Drgs. 4 sheets.

Ind. Cl. : 36 A<sub>1</sub>, Gr. [XLIV (1)]

176390

Int. Cl. : F 04 B-1/12.

□ A MONOBLOC PUMP.

Applicants : KIRLOSKAR BROTHERS LIMITED, AN INDIAN COMPANY, AT UDYOG BHAVAN, TILAK ROAD, PUNE-411 002, MAHARASHTRA, INDIA.

Inventor : KAILASH CHANDRA BHOOTARA.

Application No. : 191/Bom/93 filed on 17-06-93.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

## 8-Claims

A monobloc pump consisting of a motor assembly mounted within a motor housing, said motor assembly being integrally connected to a pump assembly mounted within a housing and having a delivery casing characterised in that the said motor housing is made water tight by providing suitable seals and there is provided at or near the delivery casing a branch pipe, extending from the pump assembly, the said branch pipe having a plurality of apertures comprising showering means to shower water, from the delivery casing over at least a substantial portion of the motor housing for cooling the motor.

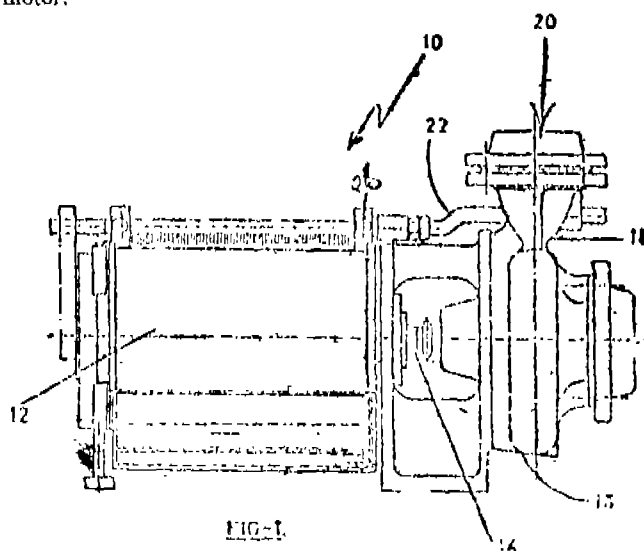


FIG-1

Comp. specn. 8 pages

Drgs. 3 sheets

Ind. Cl. : 189 Gr. [LXVI (9)]

176391

Int. Cl. : A 61 K - 7/075

## HAIR CARE COMPOSITION

Applicants : M/S. HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventors : DAVID HOWARD BIRTWISTLE.

Application No. 236/Bom/1992, filed on 4-8-1992.

G B priority date 5-8-1991.

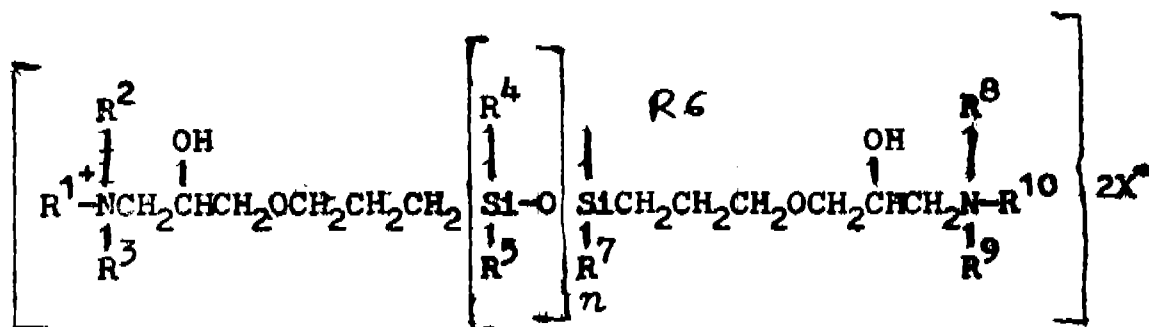
Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

## 14 Claims.

A hair care composition suitable for use as a shampoo, comprising :—

(a) 5 to 40% of at least one surfactant;

(b) 0.01 to 1.0% of at least one water-insoluble end-functionalised quaternary silicone polymer capable of dissolving in said at least one surfactant wherein the quaternary silicone polymer is represented by the following formula :



wherein R<sup>1</sup> and R<sup>10</sup> are the same or different and independently selected from hydrogen, saturated or unsaturated long or short chain alk(en)yl, branched chain alk(en)yl, or C<sub>6</sub>-C<sub>10</sub> cyclic ring systems;

R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup> and R<sup>9</sup> are the same or different and independently, selected from the group consist-

ing of hydrogen, straight chain or branched lower alk(en)yl and C<sub>6</sub>-C<sub>10</sub> cyclic ring systems; and X<sup>-</sup> is a counterion, and

(c) 0.01 to 1.0% of a cationic deposition polymer.

Complete specification—18 pages;

Drawings—Nil.

Ind. Cl. : 77 B1, Gr. [XI (1)]

176392

Int. Cl. : B 30 B-9/00

**AN IMPROVED OIL EXPELLER.**

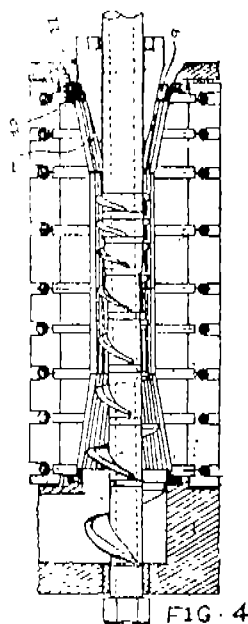
Applicant & Inventor : NATVARLAL POPATLAL SACHANIA, VIMALA APARTMENT 'A' MARVE ROAD, MALAD (W), BOMBAY-400 064, MAHARASHTRA, INDIA, AN INDIAN NATIONAL.

Application No. : 239/Bom/1992, Filed on 05-08-1992.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

**02 Claims**

An improved oil expeller comprising of crushing chamber box with inward taper feed entry and outward taper long discharge box end, an worm shaft assembly suitable to it, with all sides open, Out side clamping of two chamber half units, whose bolts spaced in line with the chamber plates, for crushing of oil seeds and to collect the more oil leaving less oil in the cake compared to conventional oil expellers, characterised in that for balanced thrust load by having taper outwardly in the delivery extrusion section, thus balancing the worm shaft assembly input thrust to output thrust as middle hold balance.



(Complete specification—06 pages; Drawings—05 sheets)

Ind. Cl. : 52 A [XXIV (1)]

176393

Int. Cl. : B 26 D - 1/00

**AN AUTOMATIC PAPER EDGE TRIMMING DEVICE.**

Applicants : THE RAJA BAHADUR MOTILAL POONA MILLS LTD. HAMAM HOUSE, AMBALAL DOSHI STREET, BOMBAY-400 023, MAHARASHTRA, INDIA.

Inventors : (1) BRIJ MOHAN TAYAL

(2) NARAYAN SAYANNA POTA

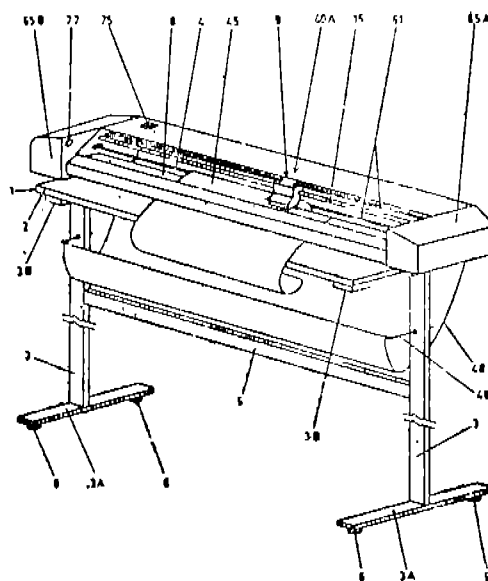
Application No. : 241/Bom/1992, Filed on Aug 5, 1992.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

**9 Claims**

An automatic paper edge trimming device consisting of a frame comprising a base member mounted on a pair of legs and provided with a longitudinal opening and a pair of upright members mounted on said base member at the ends

of said opening, a cutter unit comprising longitudinal stationary cutter disposed in said opening and fixed to said base member, a cutter head slidably mounted on a longitudinal member disposed along said opening in spaced apart relationship therewith and fixed to said upright members, a disc shaped rotary cutter axially movably and rotatably mounted on said cutter head and spring biased against said stationary cutter, a pair of pressure rollers disposed on said stationary cutter with said rotary cutter interposed therebetween, said pressure rollers being pivoted on said cutter head, a pair of tapered members mounted at the ends of said cutter head and directed away from said pressure rollers, a protective guard rigidly mounted on said cutter head and extending over rotary cutter and pressure rollers, a pair of shock absorbers mounted on said upright members and confronting said cutter head, a transparent material pressure pad disposed inclined towards said stationary cutter and pivoted on said upright members, the inner end of said pressure pad being in contact with said stationary cutter, said pressure pad being spring biased upwardly and provided with contact pressure adjustment means, a protective housing disposed over said protective guard and fixed to said upright members said protective housing being provided with a window facing said pressure pad and a trimmings collector disposed below said opening and fixed to said frame and drive cum operating unit mounted on said frame and connected to said cutter head.



(Complete specification—19 pages; Drawings—8 sheets)

Ind. Cl. : 39 O Gr. [III]

176394

Int. Cl. : B 01 J—37/00, 29/04 C 01 B—33/26, 33/28.

**A PROCESS FOR THE PREPARATION OF AN IMPROVED HIGH SILICA ZEOLITE CATALYST.**

Applicants : INDIAN PETROCHEMICALS CORPORATION LIMITED, A GOVERNMENT COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 OF P.O. PETROCHEMICALS, DISTRICT-VADODARA-391 346, GUJARAT, INDIA.

Inventors : (1) YAJNAVALKYA SUBRAY BHAT,

(2) SREEDHARANUNNITHAN UNNIKRI-SHNAN &

(3) ANAND BHIMRAO HALGERI.

Application No. : 261/Bom/92, filed on 01-09-1992.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

## 12 Claims

A process for the preparation of an improved high silica zeolite catalyst suitable for use in the alkylation of ethylbenzene to para diethylbenzene which comprises :

Forming an aqueous mixture of a silicon compound, a gallium compound, an aluminium compound such as herein described a hydroxide of an alkali or alkaline earth metal and an alkyl ammonium cation;

subjecting the mixture so formed to a temperature in the range from 140°C to 200°C and a pressure equal to at least the vapour pressure of water at such temperature;

recovering in any known manner the resulting solid product;

Washing the recovered product and drying the washed product to provide a composite of silica, crystalline gallo-aluminosilicate and oxides of alumina;

calcining the dried composite at a temperature of from 400°C to 600°C in an atmosphere of air;

subjecting the calcined composite to ion exchange to control the sodium content thereof by replacing excess sodium ions with ammonium ions; and

further calcining the composite to provide the acidic form of the desired zeolite catalyst.

(Compl. Specn. 18 pages;

Drgs.—Nil)

Ind. Cl. : 32 B IX (1)]

176395

Int. Cl. : C 07 b -1/00, C 07 C -5/00.

#### AN IMPROVED PROCESS FOR THE PREPARATION OF A POISONED PRECIOUS METAL CATALYST.

Applicants : M/s. HINDUSTAN ORGANIC CHEMICALS LIMITED. A GOVERNMENT OF INDIA ENTERPRISES HAVING ITS REGISTERED OFFICE AT RASAYAN, DIST. RAIGAD PIN-410 207, MAHARASHTRA, INDIA.

Inventors : (1) DR. CHANDRA SHEKHAR SHUKLA  
(2) DR. JAGAT KUMAR DAS  
(3) DR. MUTHU SWAMI SRIRAM

Application No. : 420/Bom/1992 filed on 23-12-1992.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

## 9 Claims

An improved process for the preparation of a poisoned precious metal catalyst used for the conversion of acetylenic compounds to olefin derivatives, which comprises of :

- impregnating a support simultaneously with the solutions of a precious metal salt and an oxalate of a transition metal at about 25°—80°C and
- reducing the impregnated mass obtained from step (a), in a known manner by using sodium formate solution followed by filtration and drying.

(Compl. Specn. : 7 pages;

Drawing—Nil)

Ind. Cl. : 65 B 1 Gr [LVII (2)]

176396

Int. Cl. : II 01 F—27/02.

#### A COMPACT ENCAPSULATED DRY OUTDOOR DISTRIBUTION TRANSFORMER AND A METHOD OF MANUFACTURING THE SAME.

Applicants : M/s. CROMPTON GREAVES LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT 1 DR. V. B. GANDHI MARG, BOMBAY-400 023, MAHARASHTRA, INDIA.

Inventors : (1) ATHIKKAN VENKKAN VENKATASAMI AND (2) THIIRUVI. WAMALA PARAMESWARAN GOVINDAN.

Application No. : 73/Bom/93 filed on 11-03-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

## 9 Claims

a compact encapsulated dry outdoor distribution transformer consisting of a magnetic material core, a resin impregnated coil assembly associated with terminals electrically connected thereto, said coil assembly being directly mounted on said core, said core and coil assembly being held in a frame optionally electrically insulated from said frame and a non-porous single piece housing encapsulating said core and coil assembly and frame in close contact therewith, said housing being formed of a compatible non-inflammable encapsulating composition comprising 70 to 90% by weight of a good electrically insulating, thermally conducting and mechanically strong particulate material such as herein described in combination with 10 to 30% by weight of a binder such as herein described and 0.1 to 0.5% by weight of a curing agent such as herein described, said housing being provided with mounting means, said terminals being located in said housing exposed.

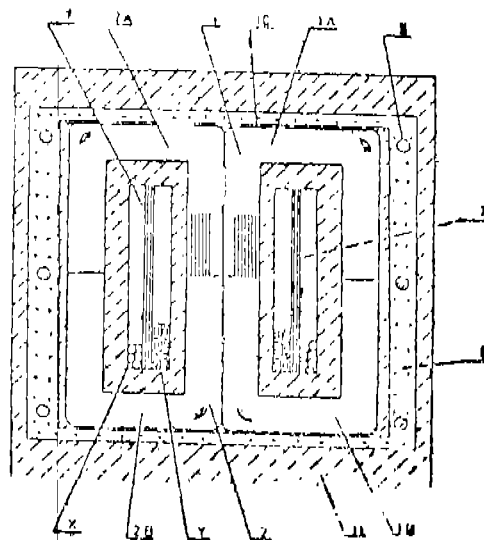


FIG - 4

(Complete Specification 20 pages; Drawings : 7 Sheets)

Ind. Cl. : 143 D & D<sub>4</sub> Gr [XL(5)]

176397

Int. Cl. : B 65 B-29/04, B 65 C-7/00.

#### "A METHOD AND AN APPARATUS FOR PRODUCING AN ASSEMBLY OF A SERIES OF TAGS AND THREAD A SHEET MATERIAL".

Applicants : HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 156/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : (1) GEOFFREY WILLIAM VERNON.  
(2) JAMES GODWIN.  
(3) ANDREW JOHN CLELL.

Application No. 392/Bom/93 filed on 18-11-93.

U.K. Priority date 30-11-90.

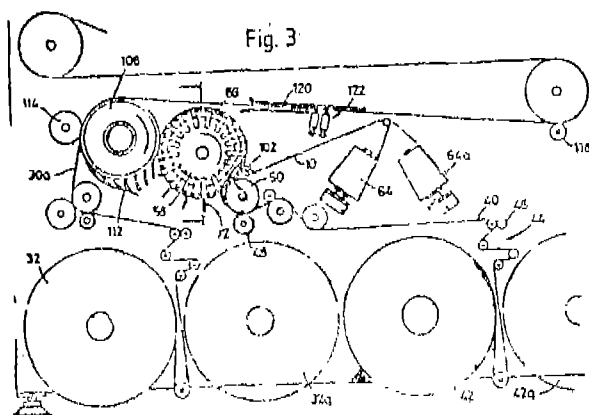
Div. to 358/Bom/91 date 02-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.



## 5 Claims

A method of producing an assembly of a series of tags and thread with a sheet material wherein a web of the sheet material has the series of tags spaced along its length and the thread extends between the tags and is given a length between successive tags greater than the spacing of said tags characterised in that the web is brought together with said tags and thread with the tags located in said spaced relation along the length of the web and portions of the length of thread being gathered between successive tags and said web of sheet material.



(Comp. Specn. 12 pages;

Drgs. 4 Sheets)

Ind. Cl. : 39 O Gr. [III]

176398

Int. Cl. : C 07 C-15/02.

**A METHOD FOR THE SINGLE STEP CATALYTIC ALKYLATION OF ETHYLBENZENE AND ETHANOL TO PARA DIETHYLBENZENE.**

Applicants : INDIAN PETROCHEMICALS CORPORATION LIMITED, A GOVERNMENT COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 OF P. O. PETROCHEMICALS, DISTRICT VADODARA-391 346, GUJARAT, INDIA.

Inventors : (1) YAJNAVALKYA SUBRAY BHAT.  
(2) SREEDHARANUNNIATHAN UNNIKRI-SHANNAN.  
(3) ANAND BHIMRAO HALGERI.

Application No. : 71/Bom/94 filed on 28-02-1994.

Divisional to : 261/Bom 92 dated 01-09-1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

## 10 Claims

A method for the single step catalytic alkylation of ethylbenzene and ethanol to para diethylbenzene which comprises subjecting an initial feed mixture of ethylbenzene and ethanol to a temperature in the range of from 200°C to 500°C in the presence of the improved high silica zeolite composite catalyst such as herein described to form a mixture of dialkylbenzenes and other reaction products, separating in any known manner the dialkylbenzenes from the other products of the reaction and recovering from the separated dialkylbenzenes para diethylbenzene in a selectivity of as high as 98%.

(Copl. Specn. 17 pages;

Drgs. Nil)

Ind. Cl. : 32 F2 (b) IX (o).

176399

Int. Cl. : A 61 K-31/44.

**AN IMPROVED PROCESS FOR THE PREPARATION OF 2-(2-AMINOETHOXY) METHYL-4-(2-CHLOROPHENYL)-1, 4-DIHYDRO-6-METHYL-3, 5-PYRIDINEDICARBOXYLIC ACID 3-ETHYL 5-METHYL ESTER AND ITS ACID ADDITION SALTS THEREOF.**

Applicants : M/s. J. B. CHEMICALS & PHARMACEUTICALS LTD., AN INDIAN COMPANY, HAVING ITS REGISTERED OFFICE AT : "NEELAM CENTRE" "B" WING, 4TH FLOOR, HIND CYCLE ROAD, WORLI, BOMBAY-400 025, MAHARASHTRA, INDIA.

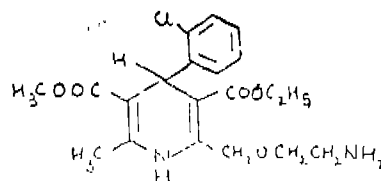
Inventors : (1) SHRI SHIRISH BHAGWANLAL MODY.  
(2) SHRI BHARAT PRAVINCHANDRA MEHATA.  
(3) DR. ATUL ANANT SHRIKHANDE.

Application No. : 134/Bom/94 filed on 31-03-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

## 4 Claims

An improved process for the preparation of a compound 2-(2-Aminoethoxy) methyl-4-(2-chlorophenyl)-1, 4-dihydro-6-methyl-3, 5-pyridinedicarboxylic acid 3-ethyl 5-methyl ester given below :



and its acid addition salts thereof such as melects and mono benzene sulfonates comprising reacting hydroxy aceto nitrile with ethyl-4 chloro acetoacetate in a solvent such as dimethyl sulfoxide or dimethyl formamide in presence of sodium hydride at temperature ranging between 50—100°C which is further synthesized by the conventional method i.e. by Hantzsch pyridine synthesis to give the cyano compound which is catalytically reduced with hydrogen and 5% palladium on carbon to give compound of formula I.

(Comp. Specn. 11 pages;

Drgs. Nil Sheets)

Ind. Cl. : 83 A1, Gr. [XIV(5)]

176400

Int. Cl. : A 23 L-1/00.

**"PROCESS FOR MANUFACTURING TOMATO RASAM LIQUID CONCENTRATE AND INSTANT TOMATO RASAM (SOUTH INDIAN SPICY TOMATO SOUP) PREPARED FROM SAID LIQUID RASAM CONCENTRATE".**

Applicant & Inventor : DILIP SHANTRARAM DAHANUKAR, AN INDIAN CITIZEN INDUSTRIAL ASSURANCE BUILDING CHURCH GATE, BOMBAY-400 020, MAHARASHTRA, INDIA.

Patent Application No. 342/Bom/94 filed on 26-07-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

## 05 Claims

Process for manufacturing a tomato rasam liquid concentrate comprises of following steps, wherein :

(1) cutting seasoned tomatoes into small pieces and putting a layer of tomato pieces in a vessel, laying thereover a layer of sugar and a layer of salt to form a sandwich pack and a plurality of such sandwich packs in alternate layers are laid one above the other and allowing said sandwich packs to get fully soaked for a period varying from 8—10 hours;

(2) adding further salt, lime juice or citric acid to reduce its PH to 2.0 and allow the admixture to mature for period varying from 8—24 hours;

(3) pouring the mass of step (2) into a kettle with a homogenizer to mix the tomatoes into a liquid mass;

(4) separately roasting in a frying pan some red chillies, jeera, black pepper, channa dal and urid dal in edible oil and grinding the fried admixture into fine powder in a dry grinder/mixer;

(5) adding the product of step (4) to the liquid mass of step (3) and stirring vigorously in a stirrer to form a homogeneous liquid mass;

(6) boiling the product of step (5) in a vessel at a temp. less than 80 deg. C.; and preferably varying from 75-80 Deg. C., and

(7) giving to the product of step (6) a little tadka (seasoning) in edible oil such as coconut oil, ground nut oil, sunflower oil, til oil, and the like, asafotida (hing) and some mustard seeds in useful manner before filling in air tight bottles of like containers.

(Compl. Specn. 10 pages;

Drugs. Nil)

Ind. Cl. : 9EF

1756401

Int. Cl.<sup>4</sup> : C22C, 13/02.

A PROCESS FOR THE MANUFACTURE OF IMPROVED TIN BASE RABBIT FOR USE IN HEAVY DUTY LINERS.

Applicant : BHARAT HEAVY ELECTRICALS LTD., OF 18-20, KASTURBA GANDHI MARG, NEW DELHI-110 001, INDIA. AN INDIAN COMPANY.

Inventor(s) : NIRMAL KUMAR GHOSH.

Application for the Patent No. 31/Del/89 filed on 16th Jan. 1989.

Complete Specifications filed on 16-4-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### Claims 2

A process for the manufacture of improved tin based rabbit for use in heavy duty liners comprising the step of preparing a melt of tin and further heating the said melt at a temperature of 50—200°C above the melting point of tin adding 11.5 to 13.5% by weight of antimony to the said melt at a temperature of 400 to 600°C, followed by addition of virgin metal/hardeners such as herein described, copper 5.5 to 6.5% arsenic 0.4 to 0.9%, nickel 0.8 to 0.50% and Cadmium 1.0 to 1.6% to the melt and forming the thus obtained additive added melt into ingots in the temperature range of 350 to 400°C said weight percent of the constituent additives being preselected with respect to the total weight of the melt, the remainder being the base tin.

(Provisional Specification 7 pages & Drawings Sheets—Nil).

(Complete Specification 8 pages & Drawing Sheets—Nil).

Ind. Cl. : 140 A

176402

Int. Cl. : CO 9K, 7/04, C10M, 105/00, 105/14.

PROCESS FOR THE PREPARATION OF LUBRICANT.

Applicant : OIL & NATURAL GAS COMMISSION, INSTITUTE OF DRILLING TECHNOLOGY, KAULAGARH ROAD, DEHRADUN-248 001, INDIA. AN INDIAN INSTITUTE.

Inventors : SUDHA SARHARWAI, SURENDRA PAL SINGH, DHANI RAM NAINWAI.

Application for Patent No. 62/Del/89 filed on 24th Jan. 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### Claims 3

Process for the preparation of lubricant to increase lubricant factor of water base drilling fluid which comprises :

- (a) mixing 1-3 parts by weight glycerine with 6-10 parts by weight fatty acid such as oleic acid to procare triglyceride; and
- (b) blending the triglyceride so obtained with an alcohol such as sorbitol in the ratio of 1 : 1 and in presence of causticised emulsifier such as CLS/FCLS to form a homogenous product of lubricant.

(Complete Specification 4 pages & Drawing Sheets—Nil).

Ind. Cl. : 195 C, D

176403

Int. Cl.<sup>4</sup> : F 16 K 11/08

A WATER TAP.

Applicant and Inventor : THANJAVUR RAJGOPALAN JAYARAMAN, M-2742, NETAJI NAGAR, NEW DELHI-110023, INDIA, AN INDIAN NATIONAL.

Application for Patent No. 195/Del/89 filed on 3-3-89.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, Delhi-110 005.

#### Claims 4

A water tap comprising a stationary member (2) having a rotatable member (1) disposed therein, characterised in that at least a pair of passages (13 & 14) provided in said rotatable member, openings (139, 149) being provided in said stationary member (2) and co-operating with the passages (13 & 14) of said rotatable member, (1) an inlet manifold (4) connected to said stationary member for supply of water from the main water supply to at least a pair of storage tanks, and an outlet (6) being provided in flow communication with said passages (13 & 14) for the discharge of water from said storage tanks, adjusting means (12) being provided with said stationary member adjust the rotatable member.

(Complete Specification 10 Pages

Drawing Sheets 3).

Ind. Cl. : 188

176404.

Int. Cl.<sup>4</sup> : C 23 G 1/06.

PHYSICO-CHEMICAL PROCESS FOR REFINING MAGNETIC STAINLESS STEEL SURFACE OF OBJECTS.

Applicant : RFM CHEMICALS, INC. A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF CONNECTICUT UNITED STATES OF AMERICA OF 325 WEST OUFEN STREET SOUTHWINGTON CONNECTICUT 06489, UNITED STATES OF AMERICA.

Inventors : MARK DAVID MICHAUD, ROBERT GEORGE ZORBI.

Application for Patent No. 757 DEL 89 filed on 28-8-89.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, Delhi-110 005.

#### 11 Claims

A physicochemical process for the manufacture of refined magnetic stainless steel surfaces of objects the step comprising introducing into the container of a mass finishing unit a mass of elements comprising of a quantity of objects with magnetic stainless steel surfaces, wetting said mass

of elements in an aqueous solution of a composition comprising, in a major amount, an acid ingredient consisting at least predominantly of oxalic acid, and in an amount of from 1 to 24 weight percent of said composition, and accelerating ingredient consisting essentially of a sulphur containing compound and *n*-nitrobenzenesulfonate salt present in a molar ratio of 0.28 to 2.8:1.0, respectively, and balance, if any, comprising one or more additives such as hereinafter described, said composition being at least substantially completely soluble in water at 20°C, in amounts of said composition of up to 10% by weight of water, the concentration of said composition being such as to provide, dissolved in said solution, 0.1 to 3.6 grams per liter of said thiocyanate salt, rapidly agitating said mass of elements while maintaining said surface in a wetted condition with said solution, said agitation producing relative movement and contact among said elements, and substantial oxygenation of said solution and continuing said agitation step for a period sufficient to effect a significant reduction in roughness of said surfaces.

(Complete Specification 28 Pages)

Drawing Sheets—).

Ind. Cl. : 133 A ILIX (3)]

176405

Int Cl : H 02 P 3/00.

## DEVICE FOR CONTROLLING AN ELECTRIC MOTOR.

Applicant : ALLEN-BRADLEY COMPANY, INC., OF 1201 SOUTH SECOND STREET MILWAUKEE, WISCONSIN 53204, UNITED STATES OF AMERICA.

Inventor : RICHARD DEAN MARASCH.

Application for Patent No. 776 DEL 89 filed on 1-9-89.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, Delhi-110 005.

## 9 Claims

A device for controlling an electric motor comprising :

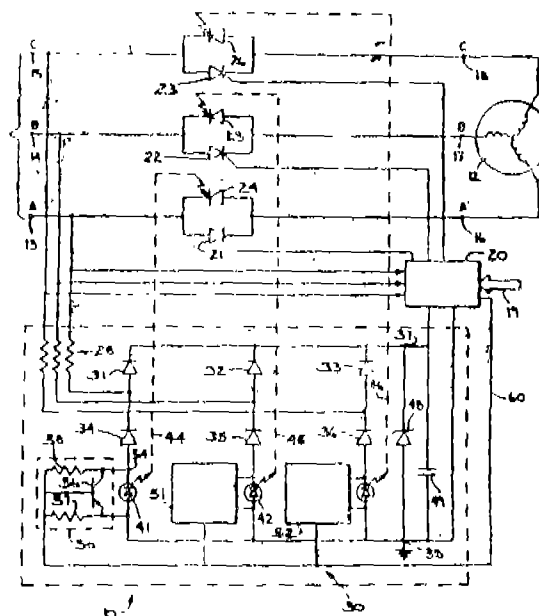
a first unidirectional (24, 25, 26) electrical switch means coupling the motor (12) to a source of electricity when activated by an electrical signal;

a second unidirectional (21, 22, 23) electrical switch means connected in inverse parallel relationship to said first unidirectional (24, 25, 26) electrical switch and being electrically conductive when optically activated;

a control circuit (20) connected to said first unidirectional (24, 25, 26) electrical switch means for electrically activating said first unidirectional (24, 25, 26) electrical switch means, and

a light (41, 42, 43) emitter couple between the source of electricity and the control circuit (20) with light from

the emitter (41, 42, 43) optically couple to activate said second unidirectional (21, 22, 23) electrical switch means,



(Complete Specification 12 Pages)

Drawing Sheet 1).

Ind. Cl. : 32 E

176406

Int. Cl. : C 08 F, 210/02.

## A PROCESS FOR POLYMERIZING ETHYLENE OR COPOLYMERIZING ETHYLENE WITH A COMONOMER.

Applicant : EXXON CHEMICAL PATENTS, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1900 EAST LINDEN AVENUE, LINDEN NEW JERSEY 07036-0710, UNITED STATES OF AMERICA.

Inventor : HOWARD CURTIS WELBORN

Application No. : 860/DEL/89 filed on 7-9-89.

Divisional to Indian Patent Application No. 974/DEL/86 dated 5-11-86 Ante dated to 5-11-86.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, Delhi-110 005.

## 12 Claims

A process for the preparation of (co) polymer of ethylene which comprises (co) polymerising in any known manner ethylene with a (co) monomer selected from alpha-olefins, cyclic olefins, and diolefins, in the presence of a catalyst characterised in that said catalyst system comprises :

(I) (a) an alumoxane, and

(b) an organometallic compound of a metal of Group IA, IIA, IIB, or IIIA of the Periodic Table and

(II) a supported catalyst component comprising a support treated with at least one metallocene and at least one non-metallocene transition metal compound such as herein described, the molar ratio of alumoxane(s) to metallocene being in the range 1 : 1 to 100 : 1, said metallocene being represented by the formula :

(I)  $(C_p)_m MR_n X_q$ (II)  $(C_5R'_k)_q R''_5 (C_5R'_k)_2 MQ_{3-q}$  or(III)  $R''_5 (C_5R'_k)_2 MQ'$

wherein Cp is a cyclopentadienyl ring, M is a Group IVB or VB transition metal, X is a halogen, R is a hydride, a hydrocarbyl or hydrocarboxy group having from 1 to 20 carbon atoms,  $m=3$ ,  $n=0-3$ ,  $q=0-3$  and the sum of  $m+n+q$  is sufficient to saturate M,  $(C_s R'_k)$  is a cyclopentadienyl or a substituted cyclopentadienyl;

each R' is the same or different and is hydrogen or hydrogen or a hydrocarbyl radical selected from alkyl alkenyl, aryl, alkylaryl or arylakyl radicals containing from 1 to 20 carbon atoms, or two carbon atoms are joined together to form a  $C_4-C_6$  ring, R'' is a  $C_1-C_4$  alkylene radical, a dialkyl germanium or silicon or an alkyl phosphine or amine radical bridging two  $(C_s R'_k)$  rings; q is a hydrocarbyl radical selected from aryl, alkenyl, alkylaryl, or arylakyl radicals having from 1—20 carbon atoms, hydrocarboxy radical having from 1—20 carbon atoms or halogen and can be the same or different from each other, Q' is an alkylidene radical having from 1 to 20 carbon atoms; a is 0 or 1, g is 0, 1, or 2; s is 0 when g is 0; k is 4 when s is 1 and k is 5 when s is 0.

(Compl. specn. 30 pages)

Drgn. sheet Nil)

Ind. Cl. : 128 A

176407

Int. Cl. : A 612 15/00

#### ABSORBENT ARTICLE FOR IRREVERSIBLY ABSORBING AND RETAINING LIQUID.

Applicant : ALLIED-SIGNAL INC., OF COLUMBIA ROAD AND PARK AVENUE, MORRIS TOWNSHIP, MORRIS COUNTY, NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : LLOYD STEVEN WHITE.

Application for Patent No. 818/Del/89 filed on 12-09-89.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005

#### 8 Claims

An absorbent article for irreversibly absorbing a retaining liquid characterised by said absorbent article comprising an expandable semipermeable polymeric membrane shell with reverse osmosis or hyperfiltration properties, said shell surrounding a high osmolarity promoter as herein defined, the weight ratio of polymeric membrane to promoter being in the range of from 2 : 1 to 1 : 10 enabling absorbing and retaining of liquid in amounts greater than its weight by volume expansion due to osmotic pressure.

(Compl. specn. 18 pages)

Drgn. sheet Nil)

Ind. Cl. : 70 A, 14C

176408

Int. Cl. : H01M 12/00.

#### APPARATUS FOR REDUCING THE SIZE OF METAL HYDRIDE HYDROGEN STORAGE ALLOYS

Applicant ENERGY CONVERSION DEVICES, INC., OF 1675 WEST MAPLE ROAD, TROY, MICHIGAN 48064, UNITED STATES OF AMERICA.

Inventors : MICHAEL ARTHUR FETCENKO, THOMAS KAATZ, STEVEN PAUL SUMMER, JOSEPH LARocca.

Application for Patent No. 832/Del/89 filed on 15-09-89.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

#### 14 Claims

An apparatus for reducing the size of metal hydride hydrogen storage alloys, said apparatus comprising a reactor body having a substantially hollow, cylindrical vessel (12), said vessel having an upper hemispherical end portion (14) detachably mounted on said cylindrical vessel (12) and a lower conical end portion (16) integrally connected to the terminal end of said cylindrical vessel opposite to said hemispherical end portion (14), said upper hemispherical portion having at least one inlet and an outlet port for introducing and evacuating gases therefrom, a loading port (17) provided in the upper hemispherical portion for loading bulk metal, hydrogen storage alloys materials and said lower conical end portion having an unloading port for removing powdered material therefrom without exposure to oxidising conditions, a reaction stage (60) located between the upper hemispherical portion and lower conical end portion to form upper collection region (66) and a lower collection region (67) said reaction stage consisting of a perforated support for supporting said hydrogen storage alloy material in bulk form for providing maximum surface area exposure to a reaction stage being capable of providing a uniform low density powder bed of comminuted hydrogen storage material in said lower conical end portion, a heating and cooling means concentrically disposed around said vessel for maintaining the predetermined temperature of said vessel.

(Compl. specn. 29 pages)

Drgns. 3 sheets)

Ind. Cl. : 116 G

176409

Int. Cl. : E 06G 7/00

#### A TAPE SPACER.

Applicant : HUNTER DOUGLAS INDUSTRIES B. V., OF PIEKSTRAAT 2, NL-EL ROTTERDAM, THE NETHERLAND.

Inventor : HERMAN OSKAM.

Application for Patent No. 963/Del/89 filed on 19-10-89.

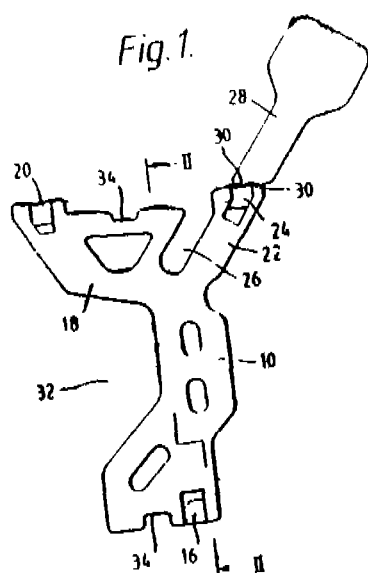
Convention date : 8825872.8/04-11-88/GB.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

#### 11 Claims

A tape spacer securing the ladder means of a venetian blind to a blind slat (12) of a given width said slat having first (13) and second slat (14) edges, said spacer comprising a body (10) and first (16) and second (20) projecting parts at opposite sides of said body (10) adapted to hold and cooperate with the first (13) and second (14) slat edges to retain the spacer in place, wherein said first projecting (16) part is a single projecting part which is provided at one end of the body (10) and adapted to hold and cooperate with said first edge (13) of the slat (12), wherein said second (20) and a further third (24) projecting parts are provided at the other end of the body, and projecting from the same face of the body as the first part, the second (20) and third (24) projecting parts being laterally spaced from one another, with the first projecting (16) part being positioned, in the lateral direction of the body between the second (20) and third (24) projecting parts, the spacing between the first (16) and second

(29) projecting parts being at least equal to said given width of the slot.



(Compl. specn. 7 pages

Drg. 1 sheet)

Ind. Cl. : 35B

176410

Int. Cl.<sup>1</sup> : C 04 B 18/00.

#### A PROCESS FOR THE PREPARATION OF CEMENTITIOUS BINDEDR FROM RED MUD.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJIV MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : AVINASH CHANDRA KHAZANCHI, RAMESH KUMAR CHAUHAN.

Application for Patent No. 949/Del/89 filed on 19-10-89.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 2 Claims

A process for the preparation of cementitious binder from red mud which comprises preparing a mixture of red mud, rice husk and clay in proportion 1:2:1 with water, shaping the said mixture into the balls, drying the balls, firing the balls in a kiln with controlled draught at a temperature in the range of 700—800°C, mixing the said fired balls with 50% hydrated lime by wt. of fired balls, grinding the resultant product to a fineness such that it passes through 150 micron sieve.

(Compl. specn. 5 pages

Drg. Nil)

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 172538 dated the 3rd March, 1989 made by Hoechst Aktiengesellschaft on the 28th August, 1995 and notified in the Gazette of India part III, Section 2, dated the 11th November, 1995 has been allowed and the said restored.

Notice is hereby given that an application for restoration of Patent No. 172538 dated the 3rd March, 1989 made by Kshetra Pal Singh on the 23rd January, 1995 and notified in the Gazette of India Part III, Section 2, dated the 25th March, 1995 has been allowed and the said restored.

#### AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendment proposed by "Tata Oil Mills Company Ltd., Bombay-400001", in respect of Patent No. 169427 (252/Bom/1989) as advertised in Part III, Section 2, of Gazette of India on 21-10-1995 and no opposition being filed within the stipulated period, the said amendments have been allowed.

#### CLAIM UNDER SECTION 20(1) OF THE PATENT ACT, 1970

The claim made by Woodfree Limited under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 174412 in their name has been allowed.

#### RENEWAL FEES PAID

156613	157158	157320	158137	158262	158735	159104	159167
150305	159306	159408	159410	159588	159748	159867	159909
159985	159988	160079	160147	160322	160575	160744	160803
160846	160871	161016	161046	161119	161253	161279	161280
161304	161457	161515	161558	161676	161783	162144	162166
162430	162596	162656	162704	162752	162800	163175	163177
163185	163390	163440	163620	163719	163798	163826	163841
163902	163917	164217	164314	164738	164790	164804	164806
164838	164962	165019	165090	165091	165143	160297	163300
165338	165339	165340	165341	165415	165573	165580	165589
165802	165881	166314	166461	166534	166618	166665	166702
166724	166778	166858	166873	167016	167033	167729	167833
167854	167868	167971	168376	168489	168538	168548	168730
169000	169066	169126	169237	169264	169681	170173	170178
170605	170749	170866	170886	170970	171007	171195	171346
171353	171365	171418	171490	171530	172380	172538	172670
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173741	173977	174192	174252	174341	174343	174382	174464
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174836	174839	174911	174916	174956	174957	174959	175010
175034	175036	175038	175041	175042	175043	175045	175047
175048	175049						

#### PATENT SEALED ON 19-4-96

172671 172875 174412\* 175394 175403 175468 175819  
175940 175943\* 175944 175947\* 175948 175950\*D

CAL—08, DEL—NIL, BOM—04, MAS—01.

\*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents, F—Food Patents.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1, No. 169376 & 169377, Polar Industries Ltd., an Indian Company incorporated under the companies act, 1956 having its head office at 113, Park Street, Calcutta 16, W. Bengal, India, "Electric Iron" 22nd June 1995.

- Class 1.** No. 169194 & 169195, Malhotra Shaving Products Limited, an Indian Company of Malhotra House, 6-3-1186, Begumpet, Hyderabad-500016, Andhra Pradesh, India, "Blade" 18th May 1995.
- Class 1.** No. 169409, Velmor Home Decor Pvt. Ltd., of Dayasagar Ind. Estate, Godder Rd., Bhayander-401105, Maharashtra, India, Indian company, "Overhead Shower", 27th June 1995.
- Class 1.** No. 169410, Velmor Home Decor Pvt. Ltd., of Dayasagar Ind. Estate, Godder Rd., Bhayander-401105, Maharashtra, India, Indian company, "Single Lever Bath Mixer Diverter", 27th June 1995.
- Class 1.** No. 170214, Velmor Home Decor Pvt. Ltd., of Dayasagar Ind. Estate, Godder Rd., Bhayander-401105, Maharashtra, India, Indian company, "Flushing Unit", 16th November 1995.
- Class 1.** No. 169813, Velmor Home Decor Pvt. Ltd., of Dayasagar Ind. Estate, Godder Rd., Bhayander-401105, Maharashtra, India, Indian company, "Tub Filler", 7th September 1995.
- Class 1.** No. 169076 & 169077, Felten & Guillaume Energietechnik Aktiengesellschaft of Schanzenstrasse 24, D 51063 Koeln (Cologne), Federal Republic of Germany a company organised and existing under the laws of Germany, "Tilting Tube", 26th April 1995.
- Class 1.** No. 169289 & 169290 Jainsons Aircon (India) Ltd. M 17, Green Park Extension, New Delhi, India, a company duly incorporated under the Indian Companies Act, 1956, "Air Conditioner" 7th June 1995.
- Class 3.** No. 168265, Motorola Inc., a corporation of the State of Delaware, U.S.A. of 1303 East Algonquin Road, Schaumburg, Illinois 60196, U.S.A., "Battery Housing for a Portable Telephone", 17th October 1994.
- Class 3.** No. 169368 & 169369, Motorola Inc., a corporation of the State of Delaware, U.S.A. of 1303 East Algonquin Road, Schaumburg, Illinois 60196, U.S.A., "Housing for Communication Device" 22nd December 1994.
- Class 3.** No. 168422, Motorola Inc., a corporation of the State of Delaware, U.S.A. of 1303 East Algonquin Road, Schaumburg, Illinois 60196, U.S.A., "Housing for Portable Telephone" 23rd November 1994.
- Class 3.** No. 167898, Motorola Inc., a corporation of the State of Delaware, U.S.A. of 1303 East Algonquin Road, Schaumburg, Illinois 60196, U.S.A., "Pager", 17th August 1994.
- Class 3.** No. 169721, Motorola Inc., a corporation of the State of Delaware, U.S.A. of 1303 East Algonquin Road, Schaumburg, Illinois 60196, U.S.A., "Radio Pager", 21st August 1995.
- Class 3.** No. 168981, Motorola Inc., a corporation of the State of Delaware, U.S.A. of 1303 East Algonquin Road, Schaumburg, Illinois 60196, U.S.A., "Selective Call Receiver", 30th March 1995.
- Class 3.** No. 170116, Motorola Inc., a corporation of the State of Delaware, U.S.A. of 1303 East Algonquin Road, Schaumburg, Illinois 60196, U.S.A., "Selective Call Receiver", 3rd November 1995.
- Class 3.** No. 169119, The Goodyear Tire, a corporation organised under the laws of the State of Ohio, with offices at 1144 East Market Street, Akron, Ohio 44316-0001, U.S.A., "A Tyre", 3rd May 1995.
- Class 3.** No. 169250, The Goodyear Tire, a corporation organised under the laws of the State of Ohio, with offices at 1144 East Market Street, Akron, Ohio 44316-0001, U.S.A., "A Tyre", 2nd June 1995.
- Class 3.** No. 169090 & 169091, Softel Machines (P) Ltd., Plot No. 69, Sector 1-A, Gandhidham-370201, Gujarat, India, an Indian Private Limited Company of above address whose Directors are 1. Anil Jain 2. Bhairavi Anil Jain 3. Anita Jain and 4. Ashok Mohallal Jain of above address all Indian citizen, "Hand Blender", 28th April 1995.
- Class 3.** No. 169006 & 169007, Eagle Flask Industries Limited, of Eagle Estate, Telegaon 410507, Dist. Pune, Maharashtra, India, "Water Carrier", 7th April 1995.
- Class 3.** No. 168189 & 168190, Govind Rubber Limited, an Indian company incorporated under the Indian Companies Act, and having their principal place of business at 422, Creative Industrial Estate, N. M. Joshi Marg, Lower Parel, Bombay-400 011, Maharashtra, India, "Tyres for Bicycles", 5th October 1994.
- Class 3.** No. 169765, Satya Health Farm & Resorts Pvt Ltd., a Private Limited Company incorporated under the Indian Companies Act., 6, Mohatta Market, 1st floor, Palton Road, Bombay-400001, Maharashtra, India, above address, "Massage Roller", 30th August 1995.
- Class 3.** No. 169766, Satya Health Farm & Resorts Pvt. Ltd., a Private Limited Company incorporated under the Indian Companies Act., 6, Mohatta Market, 1st floor, Palton Road, Bombay-400001, Maharashtra, India, above address, "Hand Massage Roller", 30th August 1995.
- Class 3.** No. 169767, Satya Health Farm & Resorts Pvt. Ltd., a Private Limited Company incorporated under the Indian Companies Act., 6, Mohatta Market, 1st floor, Palton Road, Bombay-400001, Maharashtra, India, above address, "Foot Massage Roller", 30th August 1995.
- Class 3.** No. 168278, Hindustan Lever Limited, a company incorporated under the Indian Companies Act, 1913, registered office of which is at 165/166 Backbay Reclamation, Bombay-400020, Maharashtra, India, "Container", 19th October 1994.
- Class 3.** No. 169692, Hindustan Lever Limited, 165/166, Backbay Reclamation, Bombay-20, Maharashtra, India, "Container", 15th February 1995.
- Class 3.** No. 169453, Reckitt & Colman of India Limited, 14, Chowringhee Road, Calcutta-71, W. Bengal, India, an Indian Company, "Applier for a Liquid Substance Particularly Liquid Shoe Polish", 29th June 1995.

Class 3. No. 169652, Reckitt & Colman Inc. a corporation organised and existing under the laws of the state of Delaware, U.S.A., 225 Summit Avenue, Montvale, New Jersey 07645, U.S.A., "Table Top Air Freshner", 8th August 1995.

Class 3. 169653, Reckitt & Colman Inc. a corporation organised and existing under the laws of the state of Delaware, U.S.A., 225 Summit Avenue, Montvale, New Jersey 07645, U.S.A., "Air Freshner", 8th August 1995.

Class 12. No. 169668, Brooke Bond Lipton India Limited incorporated under the Indian Companies Act, 1913, registered office of which is at Brooke House, 9-Shakespeare Sarani, Calcutta-71, W.

Bengal, India, "Frozen Confection such as Ice cream", 9th August 1995.

Class 12. No. 169669, Brooke Bond Lipton India Limited incorporated under the Indian Companies Act, 1913, registered office of which is at Brooke House, 9-Shakespeare Sarani, Calcutta-71, W. Bengal, India, "Ice Confection such as Ice Cream", 9th August 1995.

Class 12 No. 169548, Hindustan Lever Limited, 165/166 Backbay Reclamation, Bombay 20, Maharashtra India, "Soap Bags", 24th July 1995.

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